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BULLETIN
OF
A. & T. COLLEGE

Published by
**THE AGRICULTURAL AND
TECHNICAL COLLEGE
of NORTH CAROLINA**

Obedience to the Law is the Largest Liberty



**Issued Quarterly
GREENSBORO, NORTH CAROLINA
CALENDAR 1943-1944**

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Office at Greensboro, N. C., under the act of July 16, 1894.

COLLEGE CALENDAR

CALENDAR 1943-1944

- September 14—Entrance examinations.
September 14—Freshmen and New Students begin Registration and Orientation.
September 15—Freshman Orientation.
September 16—Freshmen complete registration.
September 17—Registration of former students.
September 20—Classes begin.
September 27—Last day for changes in schedule.
December 21, 22—Fall term examinations.
January 3, 1944—Registration Winter Quarter.
January 4—Classes begin.
January 10—Last day for changes in schedule.
March 18, 19—Winter term examinations.
March 22—Registration Spring Quarter.
March 23—Classes begin.
March 29—Last day for changes in schedule.
May 20, 21—Spring term examinations.
May 23—Baccalaureate sermon.
May 24—Commencement.
June 7—Registration for Summer Quarter.

HOLIDAYS

Thanksgiving Day; Christmas holidays, December 23, 1943-January 3, 1944.

SPECIAL DAYS

- Dudley Day—November 2, 1943.
Education Week.
Religious Emphasis Week—December 9-13.
Douglas' Birthday and Negro History Week—(Joint Observation) February 9-15.
Arbor Day, March 15—Special program by School of Agriculture.
National Negro Health Week, April 1-8.
Morrill's Birthday, April 14—Agriculture and Mechanic Arts societies have special programs.
Farmers' Conference, to be announced.

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JULY, 1943

No. 3

BULLETIN
OF
Agricultural *and* Technical
College

OF NORTH CAROLINA
(Co-Educational Institution)

FORTY-EIGHTH ANNUAL CATALOGUE

1942 - 1943

With Announcements for
1943 - 1944

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Greensboro, N. C. 27411

Recognized as A STANDARD "A" GRADE COLLEGE
by North Carolina Department of Education, the Council
of Education of the State of Pennsylvania, the American
Medical Association, the Southern Association of
Colleges and Secondary Schools

GREENSBORO, NORTH CAROLINA

COLLEGE PUBLICATIONS

The Bulletin of the A. and T. College. Published annually as the official catalogue of the college.

The Bulletin of the A. and T. College Summer Session. Published annually as the official catalogue of the Summer School.

The Bulletin of the A. and T. College—pictorial review of the college. Published annually.

The Bulletin of the A. and T. College, Graduate Division. Published annually as the official catalogue of the graduate school.

The A. and T. College Student Handbook. Published annually for general information and guidance of the students.

The Register—the official organ of the student body. Published monthly. Edited and managed by the student body under the supervision of the college staff.

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ANNOUNCEMENTS

NOTE ANNOUNCEMENTS—IMPORTANT TO EVERY STUDENT

1. **Vaccinations.**—Each student is required to be vaccinated on entering unless evidence be presented to satisfy the college physician that vaccination is unnecessary.

2. **Lodging Deposits.**—Students should secure rooms at once for September lodging, by paying one dollar for reservation of room.

3. **Examinations.**—Entrance examinations and examinations for removal of conditions will be held September 16. All students who have conditions to remove should avail themselves of this opportunity.

4. **Boarding Students.**—All students who room on the campus must take meals in Murphy Hall.

5. **Non-Resident Students.**—Students whose legal residence is not in Greensboro will not be permitted to board and lodge off the campus unless they have special permission or unless they have employment that requires them to live on the premises.

6. **Fraternity Houses.**—The college will not permit fraternities, sororities or other groups to establish "houses" off the campus.

7. **Entrance Fees.**—Each student must pay in cash all entrance fees and expenses for the first month, when he registers.

8. **Fees: Monthly and Quarterly.**—Any student whose bills are not paid on or before the day following the date on which such bills are due will be excluded from all college privileges until such bills are paid.

9. **Student Load.**—Each regularly classified student will be required to register for 13 hours of work as a minimum. The maximum shall be 18 hours except as provided for by exceptional scholarship. (See page 26). Students carrying a normal load in regular classes will not be permitted to register for credit in evening or extension classes.

10. **Changes in Schedule.**—Students have one week from the beginning of each quarter in which to make adjustments in their schedules. After this time no changes will be permitted except by written permission of the dean of the department. The Registrar will then recall the class card and discharge the student from the class.

No student will be allowed credit for courses added to his schedule without permission after it has been approved, and any student illegally dropping a course in which he has been registered will be assigned the grade F at the end of the quarter.

11. **Attendance.**—Students will be required to attend the regular exercises of the courses in which they are registered.

12. **Late Fees.**—Each registrant will be required to pay 50 cents for each day that he is late after the last day assigned for registration.

13. **Deportment.**—Any student who manifests unwillingness to conform to the rules and regulations that are prescribed, or that may be prescribed to govern the student body, or any student whose influence or deportment seems detrimental to the best interest of the school, will be asked to withdraw from the Institution.

14. **Honor Roll.**—To encourage scholarship and integrity, the college publishes an Honor Roll at the end of each quarter. Regular students whose average grade in all courses and deportment is "B" shall be eligible for the Honor Roll. Those students whose grade point average is 2.5 each quarter for three consecutive quarters shall be eligible for an alumni scholarship.

15. **Scholarship.**—Students are expected to do a passing grade of work. Those failing in more than fifty per cent of the work in which they are registered during any quarter will be requested to withdraw.

16. **Extracurricular Activities.**—All students shall be encouraged to participate in some one extracurricular activity, upon which he shall be graded with regards to excellence. Special consideration will be allowed students who bring their band or orchestra instruments.

17. **Dormitory Provisions.**—The college provides for each student a bed, bureau, study table and straight chair. Students are required to furnish their own curtains, blankets, bed linen, rugs and towels. Electrical appliances, other than those already supplied, are forbidden.

18. **Conduct.**—A student automatically forfeits his privilege of working for pay at the college when, for any reason, he is placed on probation because of misconduct.

19. **Disciplinary Suspension.**—All students, except bona fide residents of Greensboro, are required to leave the campus and the city within forty-eight hours after disciplinary sus-

pension. Permission to re-enter the college will not be granted if this regulation is violated.

20. Radios.—Students who desire radios in their rooms will be required to pay a radio fee of 50 cents per month to cover the cost of current used.

21. Withdrawal from College.—Students who for any reason find it necessary to withdraw from college before the scheduled termination of the school year should file an official withdrawal with the Bursar. Forms for this purpose may be secured in the office of the Registrar. They should be signed by the designated officials and filed before leaving the campus. All accounts and obligations against such students will terminate on date of filing withdrawal notice. Accounts will continue against those failing to file notice of withdrawal.

SCHEDULE OF ENTRANCE EXAMINATIONS

The college will conduct entrance examinations September 14, 1943.

The hours for examinations are 8:00 a.m. and 1:30 p.m. Students intending to take any of the examinations scheduled must appear at least an hour before the time of the examination and report to the office of the Registrar, for registration and instructions.

Tuesday, September 14, 1943—

8:00 to 10:00 a.m.:

History—Ancient, Medieval, Modern, American, Civics.

10:00 to 12:00 noon:

English—Composition and Rhetoric, Literature, English and American; Industries; French; Latin.

1:30 to 3:30 p.m.:

Mathematics—Algebra, Trigonometry; Chemistry; Biological Sciences; Economics.

SPECIAL ANNOUNCEMENT

THE ACCELERATED COLLEGE COURSE

In order to give young men subject to Military service an opportunity to advance themselves as rapidly as possible toward graduation, the college has adopted an accelerated plan whereby freshmen may register any quarter including the summer, and by continuing for three years, complete the regular four curriculum and receive the bachelor of science degree. (For opening dates of new quarters see college calendar on inside cover page).

It should be noted, however, that the regular graduation requirements such as the number of hours, quality points, majors and minors, remain unchanged. The main difference is to be found in the fact that special provisions are made for the admission of freshmen in the summer, and all of the departments and divisions will be open to them, making it possible for a full quarter of regular college work to be completed each summer.

Upperclassmen entering the accelerated plan may be able to reduce their time requirement in proportion to the amount of credit they are able to gain by summer attendance.

1943

JANUARY	APRIL	JULY	OCTOBER
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1944

JANUARY	APRIL	JULY	OCTOBER
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BOARD OF TRUSTEES
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JERALD M. MARTEENA, B.M.E., M.S.....	Dean Technical Department
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CHARLES CONSTANTINE DEAN, B.S., B.L.S.....	Assistant Registrar
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ALMA I. MORROW, A.B., B.S. in Lib. Sc.....	Librarian
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F. E. DAVIS, M.D.....	College Physician
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ETHEL M. WINGO, B.S.....	Assistant Dietitian
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ETHEL M. JACKSON, B.S., B.S. in Lib. Sc.....	Assistant Librarian
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ESTELLE EUGENIA SMITH, B.S.....	Secretary to Bursar
L. A. WISE, B.S.C., M.A.....	Registrar
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WILLIAM H. GAMBLE, B.S.....	Dean of Men
ROSA MAE MAYBREY, B.S.....	Recorder and Secretary to Registrar
MARGARET WILSON, B.S., R.N.....	College Nurse
SAMUEL C. SMITH, B.S., M.S.....	Itinerant Teacher of Trades and Industry
SELMA E. BOONE, B.S.....	Secretary to Itinerant Teacher of Trades and Industry
JESSIE D. GAMBLE, B.S.....	Secretary to Director of Vocational Agriculture
DORIS K. WILLIAMS, B.S.....	Secretary to the Bursar
HENRI W. WESTERBAND, B.S.....	Supt. of Bldgs. and Grounds

Officers of Instruction

FERDINAND D. BLUFORD.....1007 Lindsay Street
President of the College

A.B., Virginia Union University, 1908; B.Ped., Howard University, 1909; Graduate work Columbia University, 1924; D.Ped., Virginia Union University, 1926. Dean, Agricultural and Mechanical College of Alabama, 1909-1910; Professor of Education, Kentucky State College, 1910-1911; Professor of English, St. Paul Normal and Industrial School, 1911-1912; Professor of English, A. and T. College, 1912-1918; Dean, A. and T. College, 1918-1925. Present position since 1925.

PROFESSORS

HUGHEY ROBINSON ARNETTE.....500 Macon Street
Education and Psychology

B.A., College of Puget Sound, 1931; M.A., Columbia University, 1932; Formal requirements for Ph.D. completed—University of Pennsylvania, 1942; Professor of Education and director of teacher-training, Arkansas State College, 1932-1933; Assistant State Supervisor of Adult Education, State of Washington, 1933-1936; Professor of Education and Psychology, Philander Smith College, 1936-1937; Professor of Education and Psychology, A. and T. College since 1937. Member National Education Association; National Society for the Study of Education. Present position since 1937.

A. RUSSELL BROOKS.....1021 Lindsay Street
English

B.A., Morehouse College, 1931; M.A., University of Wisconsin, 1934; Summer Lectures, Cambridge University, England, 1936; Study toward the Ph.D. degree, University of Edinburgh, 1938-1939; Independent research in relation to the doctorate, 1939-40. Instructor in English, Atlanta University Laboratory High School, 1932-33. Present position since 1934.

CHARLES L. COOPER.....1021 Lindsay Street
Industrial Education

B.S., Hampton Institute, 1926; M.S., Cornell University, 1928; Ph.D., *ibid.*, 1935. Teacher of Industrial Arts and Mechanical Drawing in the city schools of Greensboro, N. C. Present position since 1930.

RAYMOND F. EDWARDS, Lt. Col. Inf.....108 Arden Place
Military Science and Tactics

A.B., University of Kansas, 1915; Advanced course, Infantry School, 1931. Prof. of Military Science and Tactics, University of Kansas, 1936-40. Present position since 1942.

HARRY J. GREEN.....College Campus
Chemical Engineering

B.Chem.E., Ohio State, 1932; M.S. Chem. Eng., Massachusetts Institute of Technology, 1938; Ph.D. in Chem. Eng., Ohio State University, 1943. Present position since 1934.

WARMOTH T. GIBBS.....420 North Dudley Street
History and Political Science

A.B., Harvard University, 1917; Ed.M., *ibid.*, 1926; Completed residence requirements for Ph.D., *ibid.*, 1933; Professor of History 1926 to 1929. Present position since 1929.

WADARAN L. KENNEDY.....A. & T. College Farm
Dairy Husbandry

B.S., University of Illinois, 1927; M.S., *ibid.*, 1929; Ph.D., Pennsylvania State College, 1936; Professor of Animal Husbandry, Virginia State College, 1929-1931; Assistant Professor of Animal Husbandry, Langston University, 1931-1933; Graduate Scholar in Dairy Husbandry, The Pennsylvania State College, 1933-1936. Present position since 1936.

AUGUSTUS LOWCollege Campus
Social Science

B.A., Lincoln University, Mo., 1937; M.A., University of Iowa, 1938; Ph.D., University of Iowa, February, 1941. Present position since 1941.

JERALD M. MARTEENA.....1900 Gorrell Street
Mathematics and Mechanical Engineering

B.M.E., Ohio State University, 1928; M.S., University of Michigan, 1932; Completed residence requirements for Ph.D., University of Michigan, 1933. Professor of Mathematics, A. and T. College, 1929-1931. Present position since 1933.

JOHN C. McLAUGHLIN.....910 Benbow Road
Agricultural Economics and Rural Sociology

B.S.A., A. and T. College, 1931; M.S., Cornell University, 1932; Alcorn A. and M. College, 1932-1937. Present position since 1937.

WAVERLYN NARTHANIEL RICE, JR......1504 Gorrell Street
French and Spanish

A.B., Morehouse College, 1935; Diplome pour l'enseignement du francais a l'etranger, University of Toulouse, France, 1936; Docteur de l'Universite de Toulouse (Lettres), ibid., 1937. Summer Session, National University of Mexico, Mexico, 1939. Present position since 1937.

HUBERT MACK THAXTON.....1526 McConnell Road
Physics and Mathematics

B.S., Howard University, 1931; M.S., ibid., 1933; M.A., University of Wisconsin, 1935; Ph.D., ibid., 1937. Member, American Physical Society, American Mathematical Society. Present position since 1939.

EDWARD NELSON PALMER.....501 Bennett Street
Social Science

A.B., Talladega College; M.A., University of Michigan; Candidate for Ph.D. at University of Michigan; Alpha Kappa Delta; National Honorary Sociological Society; Assistant, Department of Social Sciences, Fisk University; Research Sociologist, Carnegie Corporation of New York; Assistant, Department of Sociology, University of Michigan; Michigan Sociological Society; American Statistical Association. Present position since 1942.

C. L. SPELLMAN.....502 Benbow Road
Agronomy

B.S., A. and T. College; M.S., Oregon State College; Ph.D., Cornell University; Iowa State College; Instructor, Berry O'Kelly School, Method, N. C.; Member, N. C. State Teachers' Association; Rural Sociological Society of America. Present position since 1942.

MYRON B. TOWNS.....403 N. Dudley Street
Chemistry

A.B., Atlanta University, 1930; M.A., University of Michigan, 1933; Ph.D., University of Michigan, 1942; Member, American Chemical Society; Electrochemical Society. Present position since 1936.

ANDREW C. BOWLING.....807 Logan Street
Electrical Engineering

B.S. in E.E., Bucknell University, 1928; M.S., Ohio State University, 1933. Present position since 1928.

ASSOCIATE PROFESSORS

CAROLYN E. CRAWFORD.....College Campus
Home Economics

B.S., Columbia University, 1932; M.S., Columbia University, 1933. Instructor, Prairie View State College, 1929-1931. Present position since 1933.

C. R. A. CUNNINGHAM.....1110 E. Market Street
Biology

B.S., University of Illinois, 1929; M.S., ibid., 1930. Instructor, Tennessee State College, 1930-1931; Georgia Normal and Agricultural College, 1931-1934. Present position since 1934.

CLARENCE E. DEAN.....Sedalia, N. C.
Agricultural Education

B.S., Hampton Institute, 1924; M.S., Iowa State College, 1930. Berry O'Kelly Training School, 1926-1930. Present position since 1930.

CHARLES U. DeBERRY.....409 N. Dudley Street
Physical Education—Head Coach

B.S., A. and T. College; A.B., New York University; M.S., New York University; Residential work for Doctorate completed, *ibid.* Supervising Principal, Madison City Administrative Unit, and Coach of Athletics. Member, A.A.U., P.B.O., N.C.T.A. Present position since 1942.

DONALD A. EDWARDS.....1021 Lindsay St.
Physics

A.B., Talladega College; M.S., University of Chicago, 1931; candidate for Ph.D., University of Chicago. Instructor at Prairie View College, 1935-36; Louisville Municipal College, 1936-42. Present position since 1942.

ARTHUR W. FERGUSON, CAPT. INF.....A. & T. College
Military Science and Tactics

B.S. Arch., Howard University; Instructor at Howard University; A. and T. College. Formerly with 366th Inf. Member, National Technical Association; Infantry Association. Present position since 1942.

BENJAMIN F. GARRETT.....College Farm
Poultry Husbandry

B.S., Hampton Institute; M.S., University of Illinois; Instructor at Alcorn College; Instructor at Florida A. and M. College. Present position since 1939.

ROBERT E. MARTIN.....College Campus
History and Economics

B.A., Howard University, 1936; M.A., *ibid.*, 1938; Completed residence for the Ph.D. degree at the University of Chicago, 1942; Present position since 1939.

CARL McCLELLAND HILL.....1015 Lindsay Street
Chemistry and Science

B.S., Hampton Institute, 1931; M.S., Cornell University, 1935; Ph.D., *ibid.*, 1941. Special Graduate Study at University of Pennsylvania, summers of 1938, 1939, 1940. Assistant Professor of Chemistry, George P. Phenix School and College Division, Hampton Institute, 1931-1940. Director of George P. Phenix School, 1940-1941. Member, American Chemical Society; The Society of Sigma Xi, Cornell Chapter. Present position since 1941.

H. CLINTON TAYLOR.....222 Regan Street
Fine Arts

B.F.A., Syracuse University, 1927; M.A., Columbia University; Further graduate study, Columbia University, 1935. Present position since 1927.

LUNABELLE WEDLOCK.....1015 Lindsay Street
Social Science

A.B., Howard University; A.M., Howard University; Additional year of study, Howard University; Honors, Lucy E. Moten Travel Fellowship, Summer, 1941; Publication, *The Reaction of Negro Publications and Organizations to German Anti-Semitism*, 1942; Instructor in Social Science, Howard University, Spring, 1942. Present position since 1942.

ASSISTANT PROFESSORS

MILDRED ANN CLIFT.....Annie Holland Hall
Psychology

A.B., Indiana University, 1935; M.S. in Education, Indiana University, 1939; M.A., Indiana University, 1941; Further graduate study at the University of Michigan during the summer of 1942. Member, National Association of Deans of Women of the National Education Association. National Association of Deans of Women and Advisers to Girls in Negro Schools. Present position since 1942.

MARGARET W. BOLDEN.....College Campus
Home Economics

A.B., University of Illinois; M.A., *ibid.* Present position since 1936.

* Absent for further study, 1942-1943.

*VIRGIL A. CLIFT.....403 N. Dudley Street

History

A.B., Indiana University, 1934; M.A., Indiana State College, 1939. Instructor of Education and History, Rust College, 1939-1940. Member, National Educational Association; National Historical Association. Present position since 1940.

CHARLES GRAYSON COLMAN.....416 Stewart St.

Choral Music

A.B., Louisville Municipal College, 1933; M.A., Fisk University, 1941; Principal of Travis High School, Monticello, Ky., 1937-39; Director of Music Dillard University, 1941-42. Present position since 1942.

GEORGIE WILLIS GLENN.....1812 E. Market Street

Home Economics—Education

B.S., A. & T. College; The Pennsylvania State College completed residence requirements for M.S. Degree; Assistant Dietitian, A. & T. College, 1938-1941; Present position since 1943.

JOHN C. HARLAN, 1st Lt. INF.....417 N. Dudley Street

Military Science and Tactics

A.B., Howard University, 1929; M.A., Cornell University, 1931; Professor of History and Government, Shaw University, Raleigh, N. C. Member, Infantry Association. Present position since 1942.

RUDOLPH GRANDY.....903 Lindsay Street

Biological Sciences

B.S., A. and T. College; Cornell University, one year; Instructor in Horticulture, Southern University, Scotlandville, La. Member, American Horticulture Society, Boston Horticulture Society.

CARRY V. HILL.....141 Beech Street

English and History

B.S., A. and T. College; M.A., University of Pennsylvania, Instructor in A. and T. College Summer School, 1937, 1939. Member, American Historical Society. Present position since 1939.

WILLIS JACKSON.....127 N. Obermeyer Street

Mathematics and Mechanical Engineering

B.S. in Mechanical Engineering, University of Michigan, 1931; Research Engineer, Wayne County, Michigan, Assessment Project, 1933-1935. Present position since 1936.

BERNARD LEE MASON.....913 Lindsay St.

Director of Music

Mus.B., Oberlin Conservatory, 1933; Graduate study, *ibid.* and the University of Michigan. Present position since 1934.

FLOYD A. MAYFIELD.....1208 Gorrell Street

Architecture

B.S. in Architecture, Howard University; Michigan, University of Graduate School, 1935-1937; Two years of graduate study at the University of Michigan. Member, National Technical Association. Present position since 1930.

ARCHIBALD HALDANE MORROW.....A. & T. College

Physical Education and Assistant Coach

B.S., A. and T. College; Fayetteville, N. C., State Teachers College, S. S. Elizabeth City, N. C., Smith High School, Fayetteville, N. C., Member, Physical Education; Present position since 1942.

BEVERLY N. ROBERTS.....115 Obermeyer Street

English

A.B., Benedict College, 1932; M.A., New York University, 1934; Further graduate study, New York University, 1934; Teacher, New York City Public Schools, 1935-1936. Present position since 1936.

MARGARET A. SIMMONS.....Annie Holland Hall

Social Sciences

Barber-Scotia College, 1937; B.S., School of Education, New York University, 1939; M.A., New York University, 1940; Instructor of Social Sciences, Gillespie-Selden Institute, Cordele, Ga. Present position since 1942.

* Absent for further study, 1942-43.

** On leave of absence with the Federal government.

LLEWELLYN A. WISE.....422 N. Dudley Street
Business

B.S.C., New York University, 1928; M.A., Atlanta University, 1934. Member, International Accountants' Society. Present position since 1928.

MYRTLE E. THOMPSON.....Nursery School
Director of Nursery School

B.A., Dillard University; M.E., University of Cincinnati; Honors, Meldon Prize for high scholarship, 1930; Garry Grant for promise of leadership, 1929-1930; Stewart Foundation Award for excellency in poetry, 1927; Director of Friendship Nursery School, Cincinnati, Ohio, 1931-1940; Director of Bennett College Nursery School, Greensboro, N. C., 1940-1942; Member, Phi Delta Kappa professional Sorority; National Education Association. Present position since 1942.

INSTRUCTORS

THOMAS EDISON CONWAY.....1063 N. 6th Street
Mathematics

B.S., E.E., A. and T. College; Instructor of Mathematics and Physics, Louisburg, N. C.; Inspector, Ordnance Department and Anti-Air Craft. Present position since 1942.

VINCENT A. BURGESS.....126 Laurel St.
Electrical Engineering

B.S., A. and T. College; Research work at Bridgeport Engineering Institute and University of Main. Present position since 1942.

WILLIAM H. GAMBLE.....College Campus
Education

B.S., A. and T. College, 1938; Further study, University of Pittsburgh. Assistant to the Registrar, A. and T. College, 1938-1940; Dean of Men and Instructor of Education. Present position since 1940.

MARECE ELIZABETH GIBBS.....420 N. Dudley Street
French and English

B.S., A. and T. College, 1940; Further study at A. and T. College, 1940-1941; Member, Alpha Kappa Mu Honorary Society. Present position since 1941.

CHARLES G. GREEN.....901 Lindsay Street
English and Dramatics

B.A., State University of Iowa, 1937; Further graduate work, *ibid.* Member, National Association of Teachers of Speech; Teachers of English; State Association of Teachers of English. Present position since 1938.

KARL MARTIN KEYES.....439 N. Dudley Street
Rural Engineering

B.S., A. & T. College, 1938; Graduate study at A. and T. College, 1940-1941; Instructor of Vocational Agriculture, Ellerbe High School, 1938-1940; Instructor of Vocational Agriculture, Pitt County Training School, Grimesland, N. C., 1940-1942. Present position since 1942.

*ESTHER P. HICKS.....903 Lindsay Street
Business

A.B., Colorado State College of Education; Further study Denver University; Summer work Bucknell University, Colorado College; Instructor D. D. and B. Institute, 1934; Colorado State Blind Commission, 1935-1937. Present position since 1937.

**W. T. JOHNSON.....506 Logan Street
Rural Engineering

B.S., A. and T. College, 1932. Teacher of Vocational Agriculture and Manual Training, Spring Hope High School, Spring Hope, N. C., 1932-1937. Further study, Purdue University. Present position since 1937.

* Absent for further study, 1942-43.

** On leave of absence with the Federal government.

ORDIE A. ROBERTS.....College Campus
Physical Education

B.S. in Physical Education, University of Illinois, June 1936; Graduate study at University of Wisconsin, 1939. Present position since 1937.

FACULTY OF THE VOCATIONAL SCHOOL

JERALD M. MARTEENA.....1900 Gorrell Street
Director

B.M.E., Ohio State University, 1928; M.S., University of Michigan, 1932; Completed residence requirements for Ph.D., *ibid.*, 1933. Professor of Mathematics, A. and T. College, 1929-1931. Licensed engineer State of N. C. present position since 1933.

ANDREW C. BOWLING.....807 Logan Street
Electrical Wiring

B.S., Bucknell University, 1928; M.S., Ohio State University, 1933. Present position since 1928.

CHARLES L. COOPER.....1021 Lindsay Street
Building Construction

B.S., Hampton Institute, 1924; M.S., Cornell University, 1926; Ph.D., *ibid.*, 1935. Present position since 1930.

CLYDE DEHUGULEY.....360 West Bragg Street
Shoe Repairing, Leather Work and Laundry Management

Graduate Tuskegee Institute, 1922. Instructor in shoe repairing, Kentucky State College, 1922-1924. Present position since 1924.

*ESTHER HICKS.....903 Lindsay Street
Stenography and Typewriting

A.B., Colorado State College of Education, 1932; Graduate work Denver University Summer Session, 1934; Further study Bucknell University Summer Session, 1935. Taught adult education, Opportunity School, Denver Colorado, 1933, 1935, 1936; Deaf, Dumb and Blind Institute, Austin, Texas, 1934. Present position since 1937.

H. R. HUMPHREY.....113 N. Obermeyer St.
Plumbing

B.S., A. and T. College, 1937; Custodian of Buildings at A. and T. College, 1938-41. Present position since 1941.

WILLIS JACKSON.....127 N. Obermeyer Street
Machine Shop

B.S. in M.E., University of Michigan, 1931. Research engineer, Wayne County, Michigan Assessment Project, 1933-1935. Present position since 1936.

KARL MARTIN KEYES.....439 N. Dudley Street
Agricultural Engineering

B.S., A. and T. College, 1938; Graduate study at A. and T. College, 1940-1941; Instructor of Vocation Agriculture, Ellerbe High School, 1938-1940; Instructor of Vocational Agriculture, Pitt County Training School, Grimesland, N. C., 1940-1942. Present position since 1942.

FLOYD A. MAYFIELD.....1208 Gorrell Street
Mechanical and Architectural Drawing

B.S. in Architecture, Howard University, 1930; Graduate study, University of Michigan, 1935-1937. Present position since 1930.

WALLACE L. MITCHELL.....College Campus
Carpentry

B.S., Shaw University, 1931; B.S., A. and T. College, 1935. Present position since 1935.

* Absent for further study 1942-43.

ROBERT S. POOLE.....College Campus
Tailoring and Designing

Hampton Institute, 1911; Mitchell School of Designing, 1916; Instructor, Edward Waters Institute, 1917-1920; Business, 1920-1926. Present position since 1926.

GEO. A. RODDY.....120 Laurel Street
Automobile Mechanics

B.S. and M.E., University of Iowa, 1931; Instructor at Arkansas State College, 1932-1934. Present position since 1935.

DAVID G. SPELLER.....213 Marshall Street
Tailoring

Certificate, A. and T. College, 1936; Business, 1938-1939; Religious Director, Hayes-Taylor Memorial Y. M. C. A., Greensboro, N. C., 1939-1941; Acting Pastor New Zion Baptist Church, Greensboro, N. C., 1941; Assistant Pastor, Ebenezer Baptist Church, Portsmouth, Va., Summer, 1942; Acting Pastor, First Congregational Church, Greensboro, N. C., 1943; Assistant Instructor in tailoring, A. and T. College since 1940; Present since 1941.

VEDA SPELLMAN STROUD.....149 Beech Street
Business Administration

B.S., A. and T. College, Secretary to the Dean of the Department of Education and Sciences, A. and T. College, 1939-1942; Member, N. C. N. T. A. Present position since 1942.

DALRYMPLE SYSNETTE.....507 Gorrell Street
Bricklaying, Plastering, Cement Construction

B.S., A. and T. College, 1938; Hampton Institute Trade School, 1932; Instructor, Danbury School, Danbury, N. C., 1939-1940; Vocational Instructor, National Defense, A. and T. College, 1940; Vocational Instructor, Second Ward High School, Charlotte, N. C., 1941-1942. Present position since 1942.

LLEWELLYN A. WISE.....422 N. Dudley Street
Stenography and Typewriting

B.S.C., New York University, 1928; M.A., Atlanta University, 1933. Present position since 1928.

Agricultural Extension Officers

JOHN W. MITCHELL, B.S., M.A.....*State Director Farm Agents*

W. C. DAVENPORT, B.S.A.....*Assistant Regional Tenant Purchase Specialist for Farm Security Administration*

DAZELLE F. LOWE, B.S.....*State Director Home Demonstration Agents*

H. BLANCHE STEPHENS.....*Secretary to Directors*

WILHELMINA R. LAWS, B.S.....*Subject Matter Specialist*

ROBERT E. JONES, B.S., M.S.....*State Director 4-H Club Work*

B. A. HALL, B.S.....*County Agent, Guilford County*

JOHN W. JEFFRIES.....*District Agent*

ROSA TAYLOR WINCHESTER, B.S.....*Home Demonstration Agent, Guilford County*

GEORGIA ANNA HINES, B.S.....*Assistant Secretary to Directors*

HISTORY OF THE COLLEGE

This College was established by an act of the General Assembly of North Carolina, ratified March 9, 1891. The object of this institution is declared by the act to be for instruction in practical agriculture, the mechanic arts and such branches of learning as relate thereto not excluding academic and classical instruction.

The management and Control of the college and the care and preservation of all its property are vested in a Board of Trustees, consisting of fifteen members, who are elected by the General Assembly, or appointed by the Governor, for a term of six years.

The Trustees, by the act of the Legislature, have power to prescribe rules for the operation of the College; to elect the president, instructors, and as many other officers and assistants as they shall deem necessary; and have general and entire supervision of the establishment and maintenance of the college.

The financial support of the College for the payment of salaries and purchase of apparatus and equipment is derived from the United States, under an Act of Congress, known as the "Morrill Act," passed August 20, 1890. This act makes an annual appropriation for each State and Territory for the endowment and support of colleges for the benefit of agriculture and mechanic arts, to be applied "only to instruction in agriculture, the mechanic arts, the English language and the various branches of mathematics, physical, natural, and economic sciences, with special reference to their application in the industries of life and the facilities of their instruction."

The College also receives an appropriation from the State for general maintenance which cannot be provided for under the laws governing the use of Federal appropriations.

The citizens of Greensboro donated fourteen acres of land and \$11,000 to be used in the construction of buildings. In 1893 this was supplemented by an appropriation of \$10,000 by the General Assembly. Dudley Hall was completed in 1893 and the school opened in the fall of that year at Greensboro. Previously, it had operated in connection with Shaw University in Raleigh, N. C.

THE COLLEGE BUILDINGS

DUDLEY MEMORIAL BUILDING

On January 27, 1930, the original Dudley Hall was destroyed by fire. The erection of the New Dudley Hall was undertaken immediately thereafter. February 15, 1931, it was occupied. This is a fine fireproof structure of three stories, larger than the old building and better suited to meet the needs of a modern college. It contains classrooms, assembly room, library, offices for the President, Dean of Education and Sciences College, Treasurer, Registrar, Bursar, and other administrative divisions.

LIBRARY

The library occupies the entire second floor of the New Dudley Administration building. It contains 27,000 volumes and 2,500 pamphlets, and receives 221 current periodicals representing various departments of the college and 23 newspapers. Books have been carefully selected with a view to facilitating instruction and research.

All students registered in the college are entitled to full reference use of the library. Subject to certain necessary library rules and regulations, students may withdraw books for home use. The Bursar's receipt, bearing the signature of the student, must be presented as identification.

Library Hours: The library is open Monday through Friday from 7:50 a.m. to 5:00 p.m. and 6:30 to 9:00 p.m. except Saturday, when the hours are from 9:00 to 12:00 a.m. and 1:30 to 4:30 p.m.

NORTH DORMITORY

The North Dormitory is a three-story building which contains rooms for about 70 students.

MORRISON HALL

Morrison Hall is a fireproof, three-story building with basement. It contains rooms for 130 students.

ANNIE W. HOLLAND HALL

Annie W. Holland Hall is a new dormitory for women. It was completed in 1938 and is named in honor of Mrs. Annie.

W. Holland, who for a long period was state supervisor of colored elementary schools in North Carolina. The building is fireproof and located in one of the most beautiful sections of the campus. It is constructed to house 155 students and teachers.

THE COLLEGE BUILDINGS RENAMED

By a special vote of the Board of Trustees in its annual meeting for 1933, the following changes in the names of buildings were made: The Agricultural Building became Noble Hall in recognition of the distinguished services of the late chairman of the Board of Trustees, and the Mechanical Building became Crosby Hall in honor of the first president of the college.

VANSTORY HALL

Vanstory Hall, formerly known as the South Dormitory, is a three-story, brick building, which contains rooms for 92 students, the basement of which is used for storerooms.

NOBLE HALL

Noble Hall is a fireproof, three-story structure, with basement. It contains laboratories for botany, dairy products, zoology, geology, chemistry and classrooms and offices for the Dean, School of Agriculture, and the heads of divisions.

CROSBY HALL

Crosby Hall, one of the few remaining historic buildings on the campus, is a three-story structure. It houses on the ground floor the Department of Masonry Construction. The first floor contains the Department of Business Administration and Tailoring. The spacious second floor houses the Departments of Fine Arts, Architecture and Mechanical Drawing.

ALEXANDER GRAHAM HALL

The Alexander Graham Hall is a three-story fireproof structure located near U. S. Highway No. 70. The building was constructed in 1939 with funds appropriated by the State and the Federal Emergency Administration of Public Works and contains the following laboratories and shops: Physics, Photography and Visual Education, and Engineering Laborato-

ries, Industrial Arts, Auto-Mechanics, Shoe Repairing, Machine Shop, Plumbing and Heating, Welding and Carpentry Shops. The office of the Dean of the School of Mechanic Arts is also located in this building.

RICHARD B. HARRISON AUDITORIUM

The Richard B. Harrison Auditorium, completed in 1940, takes its name in honor of the noted actor and teacher who gained world renown as "De Lawd" in the great stage production of 1930, *The Green Pastures*. Previously Richard B. Harrison had been well and favorably known to the students and constituents of the A. and T. College as teacher of dramatics and public speaking, a position he had held for a number of years and relinquished only to accept the part in the play mentioned above.

This auditorium, one of the largest and best equipped of its kind in the state, contains in addition, special rooms for dramatics, band and music classes, and offices for the music and dramatic departments. It is the center for public programs, religious services and extracurricular activities in fine arts.

THE COLLEGE GYMNASIUM

The College Gymnasium is a one-story fireproof structure located on East Market Street which is United States Highway No. 70, the main thoroughfare connecting eastern and western Carolina. This building is used for physical education classes and extracurricular activities for both men and women. The large seating space and the stage make it possible for it to be used also as an auditorium for public programs and other civic activities.

MURPHY HALL

Murphy Hall is a one-story fireproof building, which contains the cafeteria, the kitchen, and the refrigeration plant. The cafeteria has seating capacity for 800 students. It is one of the most beautiful buildings of its kind to be found in the State.

FLORENCE GARRETT PRACTICE HOUSE

The Florence Garrett House is the new home economics practice house. The building was named in honor of Mrs. Florence Garrett, who was among the first women students to attend the college, and who bequeathed her small estate to the college as a beginning of an endowment. It is a two-story brick structure, conveniently located and adequately constructed to meet the needs of the home economics students.

POWER PLANT

A new central heating and power plant has recently been installed containing boiler capacity of 330 horsepower and affords the students of Mechanical Engineering the opportunity of practical experience in boiler-room operation and management. Attached to the power plant is a modern steam laundry with most modern equipment.

ADMISSION TO COLLEGE

High school graduates may qualify for admission by any one of the following methods:

1. Entrance examination conducted by the College.
2. Examination conducted by College Entrance Board.
3. Certificate from an accredited school.

Students who desire admission to the Freshman Class by certificate may show that they have completed fifteen (15) units of high school work as follows:

Five units required from Group I.

As many as ten units may be elected from Group II.

As many as six units may be elected from Group III.

<i>Required</i>			
<i>Group I</i>	<i>Units</i>	<i>Group II</i>	<i>Electives</i>
1. English	3	1. Science (Natural)	
2. Mathematics	1	2. Social Science	
3. Social Science	1	3. English	—10
		4. Mathematics	
<i>Group III</i>		<i>Electives</i>	
	1. Agriculture		
	2. Art		
	3. Commercial Subjects		
	4. Home Economics		
	5. Industrial Arts	—6	
	6. Music		
	7. Mechanics		
	8. Foreign Language		

NOTE: Not more than three units from any subject in Group II and two units from any subject in Group III will be accepted in the fifteen (15) units of work.

A unit of work in the above requirements is approximately a fourth of a year's work in a secondary school. It is assumed that study is pursued for four or five periods a week; that the recitation periods are from forty to sixty minutes in length; and that the length of the school year is nine months.

CLASSIFICATION OF NEW STUDENTS

Students entering college for the first time:

1. Freshmen.

- a. By certificate. Graduates from high schools will receive entrance rating according to the standing of their respective schools.
- b. If the student is not a graduate of an accredited high school, he must comply with the requirements by examination. Entrance examinations will be held at the college on September 14.
- c. Every student, irrespective of the method by which he seeks admission, must present to the college through the principal of his former school, a transcript covering his entire record of subjects and grades and a statement including principal's estimate of his character.

NOTE: All entering Freshmen will be required to take a placement test in English and mathematics. Those students registering in education and science will take placement tests in French if they have two units of French on their high school transcript. All who fail in the English examination will be assigned to a remedial course in English (English 210). All who fail in the mathematics examination will be assigned to a remedial course in mathematics (Mathematics 309). All who fail in the French test will take French 211.

2. Students of Advanced Standing.

Applications for advanced standing will be passed upon by the admission officer, after a transcript of their record has been received.

All persons who desire to enter the college should make application to the Registrar before the opening of the quarter in which they wish to enroll. Those who desire to be admitted by certificate should apply as soon as possible after graduation from high school. For all applicants the blank form found in the back of the catalogue is sufficient. Early attention to this matter will save the student much delay at the opening of the session.

3. Special Students.

In exceptional cases applicants, of mature years, or, of special training along particular lines, or of long experience in specific fields of knowledge, may be admitted to the college to study certain subjects, as special students, even though they cannot satisfy entrance requirements. Such students must do a passing grade of work in each course for which they may be permitted to register, or they will be asked to withdraw from said course.

STUDENT LOAD

In the college the unit of credit is the quarter hour which stands for one recitation or two laboratory periods per week for a period of twelve weeks. Each recitation period carries with it approximately two hours of preparation.

All regular students will be required to register for 14 hours of prepared work of college credit per quarter, as a minimum. The maximum shall be 19 hours per quarter, except as follows:

(a) Students whose general average is "C" shall be held to the above requirements, for the quarter following such a record.

(b) Students whose average is "B" with no grade below "C" may be permitted to register for not more than 19 hours of prepared work.

(c) Students whose average is 2.5 grade points with no grade below "B" may be permitted to register for not more than 21 hours' work for the quarter following such a record.

MARKING SYSTEM

	<i>Grade Points</i>
93-100—A (Excellent)	3
82- 92—B (Good)	2
71- 81—C (Fair)	1
60- 70—D (Poor, but passing).....	0
Below 59—F (Failure)	-1
I (Incomplete)	
W.P. (Withdrew, passing)	
W.F. (Withdrew, failing)	

REMOVAL OF FAILURES

At his first opportunity a student must repeat in class a required course in which he has failed, unless the dean of the department authorizes a substitute course.

INCOMPLETES

1. A student may be reported incomplete, if some small portion of his work remains unfinished at the end of the quarter, provided his standing in the course has been of grade "C" or higher. To secure credit, this work must be completed within one month after the beginning of the next succeeding quarter, otherwise the course will be reported by the instructor as "F."

GRADE POINTS

The maximum points which a candidate for graduation with minimum hour requirements can make under this system will be 588, the minimum 196. That is, in order to graduate, a student must make an average of "C."

Juniors and seniors registering in regular freshman courses must make a grade of "B" in order to receive credit of one grade point per hour, and a grade of "A" to receive two grade points per hour in such courses.

COURSE NUMBERING SYSTEM

The instruction of the college is administered by three main groups known and numbered as follows:

- Faculty of Agriculture (1)
- Faculty of Education of Sciences (2)
- Faculty of School of Mechanic Arts (3)

All courses are numbered as follows:

- | | |
|-------------------------------------|-----|
| Freshman Courses | (1) |
| Freshman and Sophomore Courses..... | (1) |
| Sophomore Courses | (2) |
| Junior and Senior Courses..... | (3) |
| Senior Courses | (4) |

All courses have three numbers. The first indicates the faculty by which it is offered, the second its academic classification, and the third, the quarter in which it is given, or its serial number.

Examples:

Chemistry 111, means that this is a course offered by the faculty of Agriculture, to freshmen, in the first or fall quarter.

History 211, means that this is a course offered by the faculty of Education and Sciences to freshmen, in the first or fall quarter in history.

English 212, is a course offered by the faculty of Education and Sciences to freshmen, in the winter or second quarter in English.

Physics 323, means that this is a course offered by the faculty of Mathematics and Engineering to sophomores, in the spring or third quarter of physics.

English 234, means that this is a course offered by the faculty of Education and Sciences, open to juniors and seniors and is the fourth in a number of elective courses.

Education 243, is offered by the faculty of Education and Sciences, open to seniors only, and is the third in the number of senior elective courses in Education.

Courses numbered 500 to 599 are open to advanced undergraduates and graduates.

Courses numbered 600 to 699 are open to graduates only.

CREDIT EVALUATION SYSTEM

The credit value of each course is indicated by three numbers, the first represents the full credit value in quarter hours, the second, the number of recitations per week, and the third, the number

of hours spent in the laboratory each week. For example: French 211, Credit 5(5-0) means that this course carries 5 hours credit, is conducted by lecture or recitation 5 times per week with no assigned laboratory, while Chemistry 112, Credit 5(3-4) carries 5 hours credit, 3 hours being devoted to lecture or recitation and 4 are spent in the laboratory. Two hours in the laboratory are required for 1 hour of credit.

GRADUATION REQUIREMENTS

Graduation from the A. and T. College involves the satisfaction of the following requirements:

1. The candidate for a degree must have selected a specific curriculum, having the approval of the Dean of the College in which he is registered. This curriculum must be completed.

2. Whether registered in Agriculture, Education and Science or Mechanic Arts he must complete at least 196 quarter hours and 196 grade points.

3. The credit hours must aggregate at least 196, including the required courses in military science and physical education. The grade points must equal 1 times the number of credit hours undertaken, whether passed or failed. If after securing 196 credit hours, the student is deficient in grade points he must take additional courses to secure these points. The student must obtain an average of 1.5 or more in his major field and 1.0 or more in his minor field.

4. It is the aim of the institution to send forth men and women who are fit representatives. To this end, the college reserves the right to refuse to admit any student to the Senior Class or to promote anyone who, though qualified by class record, may otherwise seem unfit.

5. The college reserves the right to require candidates for graduation to spend at least one summer on the grounds for practical work, unless they furnish satisfactory reports from responsible persons as to their efficiency.

6. Payment of diploma fee of five dollars (\$5.00) must be made to the Bursar on or before May 1 preceding graduation.

7. Students in graduating class must clear all conditions by the end of the quarter preceding graduation.

8. Candidates for graduation must file an application for graduation upon the form provided, at least four months prior to the date they expect to graduate. A minimum of one year of residence is required.

9. (See page 52 for Thesis requirement.)

GRADUATION WITH HONORS

By a vote of the Administrative Council in the Spring of 1938, it was decided that henceforth graduation honors would be awarded candidates completing all requirements for graduation in accordance with the following stipulations: (1) Those who maintain throughout their course a grade point average within the range of 2.00 to 2.24 will receive "honor"; (2) those who maintain a general average within the range from 2.25 to 2.49 will receive "high honor"; and (3) those who maintain an average within the range from 2.50 to 3.00 will receive "highest honor."

DEGREES

All students successfully completing any of the four-year courses of study shall be entitled to the degree of Bachelor of Science.

1. Those graduating from a four-year curriculum offered in the Technical Sciences shall be entitled to the Bachelor of Science degree in Engineering, Architectural Engineering, Industrial Arts, Fine Arts, Commercial Industries, Business Administration or Commercial Education.

2. Those graduating from a four-year curriculum in Agriculture shall be entitled to the degree of Bachelor of Science in Agriculture.

3. Students successfully completing a curriculum in Sciences shall be entitled to the degree of Bachelor of Science.

4. The Master of Science degree will be awarded those meeting requirements for same.

GENERAL INFORMATION

Students desiring assistance in defraying expenses, as far as possible, will be allowed to work, for which they can get credit each month at the time of their advance payment.

The pay allowed all students, except seniors, shall be in settlement of their accounts or claim against the college.

The several industries operated in the school afford opportunity for a limited number of needy but industrious students to help themselves. It is impossible to state definitely and in advance how much a student, and especially a new one, can earn per month.

ORGANIZATIONS

ALPHA KAPPA MU HONOR SOCIETY

The Alpha Kappa Mu Honor Society is a national scholarship organization with local chapters established in grade "A" colleges.

The local chapter is now known as the Gamma Tau Chapter of the Alpha Kappa Mu Honor Society, and qualifications for Gamma

Tau which have been changed to conform to those of the National Organization are as follows:

1. Candidate must have completed ninety quarter hours with an average of not less than 2.3 or sixty semester hours with same said average.

2. Membership is open to all students of the college provided they meet requirements, and, in the case of transfer students, there was and is a chapter of Alpha Kappa Mu or some other honor society with equivalent standards, rules and regulations at the institution from which they transferred.

3. Candidates must never have been suspended for disciplinary problems.

The Society encourages participation in at least one extracurricular activity. All students recommended by the Registrar as having the qualifications listed above are eligible for membership.

SOPHIST SOCIETY

This organization is composed of regular college students of Freshman, Sophomore, and Junior classification who maintain a minimum average of 2.3. The purpose of this organization is to encourage high scholarship among all college students.

Persons who remain in the Sophist Society for three years are eligible for membership in Gamma Tau Honorary Society during the senior year.

FRATERNITIES

The following national fraternities have chapters at the college: Alpha Phi Alpha, Omega Psi Phi, Phi Beta Sigma, Kappa Alpha Psi, and Gamma Tau.

SORORITIES

The following national sororities have established local chapters: Alpha Kappa Alpha, Delta Sigma Theta, and the Zeta Phi Beta.

THE COLLEGE LITERARY SOCIETY

The Kappa Phi Kappa Forensic and Literary Club designed to stimulate interest in public speaking and literature, is composed of college students who have distinguished themselves in public performances in these fields. This club, assisted by the college students as a whole, who act as associate members constitute the center of the extracurricular activities of the college, and is active in promoting the intellectual and cultural development of the institution.

In addition to the societies mentioned above there are other well-organized clubs: the Dramatic Club, the Glee Club, the Athletic Club, the French Club, the Social Science Club, the Botany Club, the Mathematics Club, the Business Club, the Choral Society and

Woman's Athletic Association. These clubs afford the students a wonderful opportunity for development.

There are two technical societies, in which special topics in connection with agriculture, mechanics and chemistry are considered in a manner conducive to independent thought and research.

COLLEGIATE 4-H CLUB

The Collegiate 4-H Club is composed of students who have had previous experience as 4-H Club members in high school. An informal meeting of a business and social nature is held monthly. Honorary members may be elected to the club from time to time.

THE COLLEGIATE NFA CLUB

The Collegiate Chapter of the New Farmers of America is composed of agricultural students who are former NFA members or trainees who are enrolled in the teacher training department of the school of agriculture. The purpose of the collegiate chapter shall be to give training and experience to students who will later become teachers of vocational agriculture. Honorary members may be elected to the collegiate chapter of the New Farmers of America.

THE AGRICULTURAL ASSOCIATION

This association is composed of agricultural students. It meets twice monthly for business and social purposes.

Honorary members may be elected to the association from time to time.

RELIGIOUS ACTIVITIES

It will be the purpose of the college to maintain a high moral tone and develop a broad, tolerant religious spirit among the students. In this connection there is a well-organized Y. M. C. A. and Y. W. C. A., which meet twice a month. A special service will be conducted in the chapel each month by pastors representing the different denominations of the city. Sunday school is conducted every Sunday during the school year. All religious services will be free from sectarianism.

THE COLLEGE BAND

The College Band of more than fifty pieces occupies an important place in the life of the Institution. Instruction by an expert bandmaster is given in all band instruments. A splendid opportunity is thus offered competent and worthy students to learn band music without extra expense to themselves.

Membership in the band is open to regular students of the college.

FOREIGN LANGUAGE CLUBS

Le Cercle Francais and *El Circulo Espanol* and *die Deutsche Gesellschaft* meet once a month during the academic year.

THE A. AND T. LITTLE THEATRE

The A. and T. Little Theatre is an outstanding campus activity whose genuinely artistic work bespeaks the excellent training and unusual opportunities rendered by the dramatic workshop and laboratory theatre for unlimited experimentation in *acting, play-writing, stagecraft*, and *play direction*.

CHORAL ORGANIZATIONS

The Choral Society, The Men's Glee Club and The A Cappella Choir have won for themselves an enviable reputation, both at home and abroad, for the genuine artistry of their work. These organizations, open to all qualified students, offer extracurricular activity which is at once instructive and enjoyable.

OPPORTUNITIES FOR NURSE TRAINING

The School of Nurses of the L. Richardson Memorial Hospital has established an affiliation with the A. and T. College, which makes it possible for young women who have completed their courses in nurse training to receive degrees from A. and T. College when they will have met the college requirements for graduation. This should take from one to two years of additional study.

In recent years there has been a great increase in the number of hospitals established for Negroes, which brings about a corresponding demand for trained nurses. There is a great demand for nurses with college training to serve as superintendents of hospitals and in other executive positions. It is, therefore, hoped that a large number of young women will take advantage of the opportunities offered in this field.

HICKS-MOSLEY STUDENT LOAN FUND

The Hicks-Mosley Student Loan Fund, which was established during the school year 1939-40 by Miss Esther Hicks, Commercial Education instructor at the Agricultural and Technical College, in honor of her parents, is designed to aid worthy students, who have clearly evidenced talent and ability, but who lack the means to continue their schooling and deserve moderate financial aid that will enable them to complete their studies for a beneficial period of time.

Small amounts of money will be loaned at the crucial times when deemed advisable and a moderate rate of interest charged. Students are to apply by written application according to the time schedule indicated below, and all loans are due (both principle and interest) September 1, of the year after loan is granted. All loans must be secured by legal note.

THE AGRICULTURAL AND TECHNICAL COLLEGE

EXPENSES AND FEES

Boarding students entering for the first time should be prepared to make the following payments:

	Men	Women
Board	\$ 20.00	\$ 20.00
Lodging	5.00	5.00
Tuition, Fall Quarter	12.00	12.00*
Laundry	2.00	1.00
†Registration	12.00	12.00
Athletic Fee	5.00	5.00
Laboratory	5.00	5.00
College Register Fee (Student Publication)	1.00	1.00
Rental of Mail Box	1.00	1.00
Dormitory Room Key Deposit .....	.50	.50
Student Activity Fee	1.00	1.00
Library and Laboratory Deposit	2.00	2.00
Total payment first month, Sept. 14, 1943	\$ 66.50*	\$ 65.50*
Second payment, due Oct. 12, 1943	\$ 27.00	\$ 26.00
Third payment, due Nov. 9, 1943	27.00	26.00
Fourth payment, due Dec. 6, 1943	27.00	26.00
(Quarterly Lab. and Tuition Fees Due)		
Fifth payment, due Jan. 3, 1944	44.00*	43.00*
Sixth payment, due Feb. 1, 1944	27.00	26.00
Seventh payment, due March 1, 1944	27.00	26.00
Eighth payment, due April 1, 1944		
(Quarterly Lab. and Tuition Fees due)		
Ninth payment, due May 1, 1944	27.00	26.00
Grand Total	\$316.50	\$307.50

A student boarding and lodging in the city should be prepared to pay the following entrance payments:

Tuition and Occupancy (Monthly)	\$ 8.00
†Registration	9.00
Athletic Fee	\$ 5.00
Laboratory Fee	5.00
College Register Fee (Student Publication)	1.00
Student Activity Fee	1.00
Library and Laboratory Deposit	2.00

Total Payment, first month Sept. 14, 1943

Second payment, due Oct. 12, 1943	8.00
Third payment, due Nov. 9, 1943	8.00
Fourth payment, due Dec. 6, 1943	8.00
Fifth Payment, due Jan. 3, 1944	13.00*

*An out of state tuition fee of \$7.50 per quarter will be charged for non-residents of North Carolina.

†Registration fee includes lectures and lyceum entertainments, library privileges, medical care by college physician, and all prescriptions prescribed by him for campus students. This fee does not include hospitalization, operations, dental services, or prescriptions written by other physicians.

‡Registration fee includes lectures and lyceum entertainments and library privileges.

THE AGRICULTURAL AND TECHNICAL COLLEGE

Sixth payment, due Feb. 1, 1944	8.00
Seventh payment, due March 1, 1944	8.00
Eighth payment, due April 1, 1944 (Lab fee due)	13.00
Ninth payment, due May 1, 1944	8.00
Grand Total	\$105.00

QUARTERLY PAYMENTS

(Laboratory Fees payable at the beginning of Each Quarter)

Bacteriology Lab.	\$ 3.00
Dairy Lab. 131, 132	2.00
Dairy Lab. 133	4.00
Botany Lab.	3.00
Chemistry Lab.	5.00
Physics Lab.	3.00
Zoology Lab.	3.00
Textiles Lab.	2.00
Agronomy Lab. 111	1.00
Foods Lab.	4.00
Drawing Fee	1.00
Commercial Industries Shop	1.50
Electrical Engineering	3.00
Electricity and Plumbing	3.00
Machine Shop Practice	2.00
Carpentry	3.00
Auto Mechanics	3.00
Cement Finishing and Bricklaying	2.00
Shoemaking	3.00
Tailoring	3.00
Poultry 131, 133 .....	.50
Typewriting	4.00
Industrial Arts Shop	1.50
Aviation Mechanics	4.00
General Science 131, 132	2.00

Other Fees

Fee (for each transcript of student's record after the first)	\$ 1.00
Fine per day for late class registration, each quarter .....	.50
Radio fee per month .....	.50
Music (two lessons per week and use of Piano for practice) per month	4.00
Practice Teaching (other than Vocational Agriculture)	3.00

Note: All fees and bills are payable in advance. Make all post-office money orders, bank drafts and cashier's checks payable to A. and T. College. Personal checks are not accepted unless certified.

SELF-HELP

The institution cannot promise work to students who expect to work their way through college. Many students find work in private families and in other occupations, by means of which they defray a portion of their expenses. A person of ability and energy who can do work of any kind, can generally find employment, but prospective students are cautioned against depending upon such unreliable sources of income.

Note: Any part of library and laboratory deposit left after paying for loss or damage to equipment will be refunded.

*An out of state tuition fee of \$7.50 per quarter will be added to the above charges for non-residents of North Carolina.

SCHOLARSHIPS AND PRIZES**COLLEGE SCHOLARSHIPS AND PRIZES**

College Scholarships; Andrew Arthur Best, Ann Louise Davis, Ann Mary Henderson, William Elbert Lee, James Floyd Lovell, Broadus Eugene Sawyer, Florence Bette Simmons, Samuel Sanford Thomas.

Students desiring loans should apply during the following periods:

For loans granted Fall Quarter,
September 1, to September 15.

For loans granted Winter Quarter,
December 1, December 15.

For loans granted Spring Quarter,
March 1, March 15.

SCHOLARSHIPS IN DAIRY HUSBANDRY

Six scholarships are given each year to high school graduates who wish to take a one-year short course in dairy husbandry. Board, room and all fees are paid. Applications should be obtained from the Dean of Agriculture before August 1st of each year.

COLLEGE SCHOLARSHIPS

The college will grant a scholarship for one year to any student who makes an average grade of 2.5 grade points for the three quarters of the preceding school year. This scholarship will pay tuition and can be used for no other purpose. (Winners, 1942.)

COHEN PRIZE

The Ned Cohen Prize is given by the Ned Cohen Jewelry Box of Greensboro, to the student in Secretarial Science who receives the highest scholastic average. (Winner, 1942, Abigail Alexandria Little.)

MEDALS

The John Merrick Medal will be awarded to the student completing the four-year mechanical course with the best record in the college department. (Winner, 1942, John Howard Williams.)

The M. F. Spaulding Medal will be awarded to the student completing the full four-year course in agriculture with the best record. (Winner, 1942, William Andrew Ferguson.)

The Saslow's, Inc., Medals will be awarded (a) to the member of the graduating class who completes the four-year course in the Science College with best record, and (b) to the student who graduates with the best record in Social Sciences. ((a) Winner, 1942, Sarah Hester Miles; (b) Winner, 1942, William Henry Klutz.)

WILLIAM H. FOUSHEE MEMORIAL SCHOLARSHIP CUP

Dr. J. M. McGee of Greensboro each year presents a scholarship cup in memory of William H. Foushee, Jr., a former student of A. and T. College to the member of the Junior Class with the highest scholarship average. (Winner, 1942, James F. Lovell.)

ALUMNI ATHLETIC AWARD

The Philadelphia branch of the College Alumni Association awards a gold medal each year to the student of the graduating class making the best record in major intercollegiate sports. (Winner, 1942, James Vincent Evans.)

ALUMNI SERVICE AWARD

The Gate City (Greensboro) chapter of the Alumni Association makes an award each year to that member of the graduating class, voted by the Administrative Council as having rendered the "most distinctive and constructive service to the college and to the community." (Winner, 1942, James Edward Derr.)

THE GEORGE H. KEYES MEDAL

The George H. Keyes medal is provided by Karl Martin Keyes, a member of the class of 1938, in memory of his father, the late George H. Keyes.

It will be awarded to the student completing the four-year agricultural course with the best record in Farm Mechanics or Agricultural Engineering. (Winner, 1942, Charlie H. Daniel.)

RAND-HAWKINS-McRAE DEBATING TROPHY

The Rand-Hawkins-McRae debating trophy is provided by Messrs. J. M. Rand, J. A. Hawkins and S. D. McRae, graduates of the college, Class of 1906, and is awarded annually to that member or members of the graduating class who have had at least three years of varsity debating.

REGISTER AWARD

As a means of promoting a wider interest and greater activity on the part of the students in the field of journalism, the College Register awards a gold or silver key to those members of the graduating class who completed a period of at least two years of meritorious service as members of the Register Staff. (Winners, 1942, Louise A. Caple, Walter G. Evans, Warmoth T. Gibbs, Jr., Abigail A. Little, Avant Lowther, Francis H. Mebane II, and Edna A. Watkins.)

THE KAPPA PHI KAPPA KEY

The Kappa Phi Kappa Key was first awarded in 1928 by the Kappa Phi Kappa debating society.

The key is awarded to the member, or memberss of the graduating class who have been speakers on the college debating team for two years. (Winners, 1942, Eva Elizabeth Spellman, Francis H. Mebane II.)

Y.W.C.A. SCHOLARSHIP

As a means of promoting scholarship among high school girls and to encourage them to attend college, the college Y.W.C.A. offers, each year, a scholarship of \$50.00 to be used in defraying college expenses. The selection is made at the "Y" May Festival by the May Queen. (May Queen, 1942, Gwendolyn E. Peterson.)

4-H CLUB WORK SCHOLARSHIP

In order to promote interest among Negro 4-H Club boys in North Carolina and to encourage continuous achievements in all phases of 4-H Club work, The Agricultural and Technical College of Greensboro, North Carolina, offers a one-year scholarship of \$50.00 to the high school graduating senior with the best record in 4-H Club work. This is to be used in defraying expenses at the college.

SUMMER SCHOOL

In Point of Continuous Service the Oldest Summer School in the Country for Negroes

The forty-sixth annual summer session of the A. and T. College Summer School will begin June 6, 1944, and continue for twelve weeks, thereby completing a full quarter of college work under the new accelerated plan.

Aside from the splendid opportunity which the Summer School offers teachers in service to raise their certificates and thereby obtain better salaries, the college makes it possible for the ambitious teacher to obtain a standard degree by attending the summer school.

College students may shorten their stay in college by attending summer school. Students from other institutions may enter the summer session for credit in their respective institutions, by permission from either the President or Dean of their respective colleges. Such students will not be required to present a complete record of their previous training, but will be required to present a signed statement from the President or Dean indicating the summer courses for which credit will be allowed.

College graduates may use their time in summer school meeting requirements for the Master of Science degree. Persons interested in achieving this degree should make application for candidacy early in order that their program may be arranged with this end in view.

Archives

F. D. Bluford Library

N. C. A & T State University

Greensboro, N. C. 27411

EVENING SCHOOL

The college conducts an Evening School for teachers in service, and others who can qualify for the courses offered. All evening courses are the same as such courses that are offered in the regular day classes, and may be offered towards a degree. Admission to the Evening School is the same as for the same school in the regular day classes. The same amount of work is required and a similar grade of work is required for the same amount of credit.

REGULATIONS FOR NORTH CAROLINA TEACHERS' CERTIFICATES

SPECIFIC PROFESSIONAL REQUIREMENTS, HIGH SCHOOL TEACHERS' CERTIFICATE

1. Education Psychology 2 semester hours
2. Principles of High School Teaching
 or
 Problems in Secondary Education..... 2 semester hours
3. Materials and Methods 2 semester hours
4. Observation and Directed Training..... 3 semester hours
 (one or both fields)
5. Electives 9 semester hours

Students whose general average is less than B in their major field will be ineligible to take the professional courses preparatory to a teachers' certificate and will not be recommended for same.

SCHOOL OF AGRICULTURE

JOHN C. McLAUGHLIN, *Dean*

The School of Agriculture aims to educate efficient farmers, teachers of agriculture, agricultural extension workers, and leaders in other lines of agricultural activities. Courses are given in various departments of technical agriculture.

The School of Agriculture is equipped to train men and women in horticulture, dairy husbandry, poultry production, rural engineering, rural sociology, rural education, agronomy, and animal husbandry.

EQUIPMENT

The Noble Agricultural Building provides space for agricultural class and laboratory activities. The third floor is occupied by the chemistry laboratory, a lecture room and store-rooms; large rooms are equipped on the second floor for the botanical and zoological laboratories, classrooms for these courses and office space for the State Extension Service; the first floor is occupied by the office of the director of the School of Agriculture, office of the State District Farm and Home Demonstration Agents, the Home Economics Department and the bacteriology laboratory; the basement provides space for laboratories in soils, farm crops, horticulture and dairy husbandry and farm shop.

FARMS

The College has three farms. The old farm is located on State Highway No. 70, and also on the Southern Railroad from Greensboro to Goldsboro, about one mile from the campus, and contains one hundred and three acres. There is on this farm a modern piggery, dairy barn, poultry plant, 78 acres permanent pasture, implement sheds, barns and orchard containing several hundred fruit trees of various kinds, and a two-story brick dormitory. The dormitory is for the dairyman, farm superintendent and the poultryman.

The new farm contains one hundred and forty-three acres and is located on the McConnell Road about one mile south of the old farm. It has a large shed on it for sheltering farm implements.

Farm number three is located three quarters of a mile, south of the old farm and partly facing the new farm, north of McConnell Road, and contains two hundred and nine acres. There is on this farm three dwelling houses and three barns.

These farms are equipped with modern machinery necessary for successful farming under North Carolina conditions. The farms give an opportunity for instruction and practice in handling small farms on an intensive basis, the type of farming that will inevitably be followed in this country.

DISTRICT FARMERS' MEETING

The Annual Farmers' Conference for Guilford County will be held in February of each year. The purpose of this meeting is to help farmers make their spring plans. Prominent speakers will address the farmers and dinner will be served them by the college. This meeting is not to take the place of the annual State Farmers' Conference in August.

FOUR-YEAR COLLEGE COURSE IN AGRICULTURE

This course leads to the B.S. in Agriculture. The entrance requirements are the same as stated elsewhere in this catalogue under the heading "Admission to College."

REQUIREMENTS FOR GRADUATION

The successful completion of one of the prescribed curricula consisting of a minimum of 196 quarter hours and 196 grade points is required for graduation. In addition, the student must have a thorough, practical knowledge of farming activities and rural life conditions before receiving his degree. Students who have not had this experience before entering the course will be given an opportunity to get it before ending their college career.

THE CURRICULA

The curriculum in General Agriculture aims to give the student instruction in courses which will prepare him for intelligent practical farming, for farm management and extension service.

The curriculum for Teachers of Agriculture is designed to prepare the trainee to qualify under the provisions of the

Smith-Hughes Law to occupy positions as teachers of vocational agriculture in North Carolina and the South. Students who expect to teach vocational agriculture will be required to meet the professional requirements of the State of North Carolina.

UNIFORM CURRICULUM FOR AGRICULTURE

Freshman

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
English 211-212-213	5(5-0)	5(5-0)	5(5-0)
Zoology 111 or Botany 111.....	.....	.....	5(3-4)
Chemistry 114, 115, 116.....	5(3-4)	5(3-4)	5(2-6)
Poultry 111, 112	3(2-2)	3(2-2)	.....
Horticulture 113 .....	.....	.....	4(2-4)
Military Science 211, 212, 213.....	1(0-2)	1(0-2)	1(0-2)
Music or Art 211, 212, 213.....	1(0-2)	1(0-2)	1(0-2)
Education 211, 212, 213.....	1(1-0)	1(1-0)	1(1-0)

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Sophomore

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Zoology 111 or Botany 111.....	5(3-4)
Horticulture 133	4(2-4)
English 214	3(3-0)	.....	.....
Dairy 121	5(3-4)	.....	.....
Chemistry 131	5(3-4)	.....	.....
Bacteriology 121 .....	.....	.....	5(3-4)
Horticulture 122 .....	.....	3(2-2)	.....
Agronomy 122, 123 .....	.....	3(2-2)	3(2-2)
Animal Husbandry 122 .....	.....	3(2-2)	.....
Poultry 122 .....	.....	3(2-2)	.....
Zoology 131 .....	.....	.....	5(3-4)
Military Science	1(0-2)	1(0-2)	1(0-2)
Electives .....	.....	3	.....

CURRICULUM FOR TEACHERS OF AGRICULTURE

Juniors

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Edu. 237, 238, 231.....	3(3-0)	3(3-0)	5(5-0)
Econ. 231, 141, 142.....	5(5-0)	5(5-0)	5(5-0)
Dairy 134, 145 .....	.....	5(3-4)	4(2-4)
An. Hus. 132, 131	5(3-4)	.....	3(2-2)
Agron. 143	3(2-2)	.....	.....
Dairy 146 .....	.....	4(2-4)	.....
Hort. 123 .....	.....	.....	3(2-2)

Seniors			
	Fall	Winter	Spring
Edu. 171, 172, 173.....	2(2-0)	2(2-0)	2(2-0)
Edu. 174, 175, 176.....	2(0-4)	2(0-4)	2(0-4)
Agron. 141, 131	3(2-2)	.....	3(2-2)
An. Hus. 141	3(3-0)	.....	.....
Rural Eng. 121, 122, 123.....	3(1-4)	3(0-6)	3(0-6)
Ed. 501 .....	.....	3(2-2)	.....
Bot. 123	3(2-2)	.....	.....
R. Soc. 501	3(3-0)	.....	.....
Electives .....	.....	3()	2()

ELECTIVES FOR AGRICULTURAL STUDENTS

Fall	Winter	Spring
Econ. 143	Educ. 341	Educ. 236
Physics 321	Educ. 249	Dairy 132
Sec. Sc. 317	Educ. 224	A. Hus. 134
Eng. 232	Geo. 240	Geo. 241
Zool. 121	Physics 322	Forestry 125
R. Eng. 120	Eng. 222, 231, 232	Ed. 221
	Hort. 119	Eng. 221 or 222
	Poul. 133	Bot. 121
	B. A. 232	

Students desiring to fit themselves for Civil Service Examinations may elect other courses from any department that fit their individual need, with the approval of the director.

MAJOR IN GENERAL AGRICULTURE AND EXTENSION SERVICE

Junior Year			
	Fall	Winter	Spring
Sociology 231	5(5-0)	.....	.....
Econ., Business Law, 143, 335.....	5(5-0)	5(5-0)	.....
Econ. 141, 142 .....	.....	5(5-0)	5(5-0)
Poultry 131	3(2-2)	3(1-4)	.....
Agronomy 131	3 2-2)	.....	.....
An. Hus. 132, 131.....	5(3-4)	.....	3(2-2)
Education 231 .....	.....	.....	5(5-0)
Horticulture 123 .....	.....	.....	3(2-2)
*Electives .....	.....	5()	2()
Senior Year			
	Fall	Winter	Spring
**Observation and Practice in Extension 178, 179	5(5-0)	5(5-6)	.....
Sociology 501	3(3-0)	.....	.....
Agronomy 141, 143	3(2-2)	.....	3(2-2)
Dairy 134, 145 .....	.....	5(3-4)	4(2-4)
Dairy 146 .....	.....	4(2-4)	.....
Ext. Problems 180 .....	.....	.....	3(0-6)
Bot. 123	3(2-2)	.....	.....
Rur. Eng. 121, 122, 123.....	3(1-4)	3(0-6)	3(0-6)
*Electives .....	.....	.....	5()

* Electives must be approved.

** Students interested in general agriculture may select other courses.

MAJOR IN AGRONOMY

(NOTE: The Major in Agronomy is for those students who desire to go into the practical phases of agriculture dealing specifically with soils and crops. The major will prepare those students who are interested in entering Farm Security Work, Soil Conservation or Civil Service Work in Soil Science. The ground work is also laid for advanced study in several phases of soil technology.

The work for the student majoring in Agronomy will differ from that set up in the Uniform Curriculum for Agriculture in that Zoology or Botany will not be required until the Sophomore year.

All Freshman or transfer students who plan to register for a major in Agronomy must first secure the approval of the Dean of the Department of Agriculture and the instructor in charge of the work.)

Junior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Agronomy 141	3(2-2)	.....	.....
Zoology 111 or Botany 111.....	.....	.....	5(3-4)
Chemistry 121	5(3-4)	.....	.....
Economics 143, 141, 142.....	5(5-0)	5(5-0)	5(5-0)
Dairy 145 .....	.....	.....	4(2-4)
Agronomy 143, 501, 131.....	3(2-2)	3(2-2)	3(2-2)
Rural Engineering 120	3(0-6)	.....	.....
Electives .....	.....	6( )	.....
	<hr/> 19	<hr/> 14	<hr/> 17

Senior Year

Horticulture 123 .....	.....	.....	3(2-2)
English 224 .....	.....	3(2-0)	.....
Agronomy 503 .....	.....	.....	4(2-4)
Agronomy 140, 144	4(2-4)	.....	3(0-6)
Animal Husbandry 141	3(2-2)	.....	.....
Animal Husbandry 131	3(2-2)	.....	.....
Botany 123	3(2-2)	.....	.....
Rural Sociology 501 .....	.....	3(3-0)	.....
Rural Engineering 119 or			
Horticulture 145 .....	.....	3(1-4)	.....
Economics 501, 505 .....	.....	3(1-4)	3(3-0)
Horticulture 131, Electives	3(2-2)	3()	3()
	<hr/> 16	<hr/> 15	<hr/> 16

Approved Electives for the Major in Agronomy. Other electives may be taken with the approval of the instructor in Agronomy.

Fall	Winter	Spring
English 229	Rural Sociology 512	Botany 121
Typewriting 317	Economics 504	Sociology 233
Sociology 231	Geology 240	Rural Sociology 503
Geology 131	Agronomy 133, 504, 523	I. A. 350
Agronomy 132	M. E. 317	Agronomy 533
	I. A. 349	

MAJOR IN ANIMAL HUSBANDRY

Junior Year		Fall	Winter	Spring
An. Husb. 131, 132.....		5(3-4)	3(2-2)	3(2-2)
Elective			6( )	.....
Dairy 132, 146		5(3-4)	4(2-4)	.....
Agron. 131, 141		3(2-2)	.....	.....
Bact. 121 .....			.....	5(3-4)
Econ. 231, 141, 142.....		5(5-0)	5(5-0)	5(5-0)
Botany 121 .....			.....	3(2-2)
Senior Year		Fall	Winter	Spring
An. Husb. 134		3(3-0)	.....	.....
Zool. 134		3(3-0)	.....	.....
An. Husb. 141		3(2-2)	.....	.....
*Electives .....			.....	9()
Hort. 133			4(2-4)	.....
Econ. 232			5(5-0)	.....
Poultry 133			3(2-2)	.....
Botany 123		3(2-2)	.....	.....
Econ. 143		5(5-0)	.....	.....
Rural Eng. 121, 122.....			3(2-2)	3(0-6)
Special Problems .....			.....	3(0-6)

Electives for Animal Husbandry Majors Business Administration 335, 339 and as indicated for Agr. students.

MAJOR IN ORNAMENTAL HORTICULTURE

Junior		Fall	Winter	Spring
Econ. 143, 141, 142		5(5-0)	5(5-0)	5(5-0)
Agr. 131		3(2-2)	.....	.....
Bot. 121				3(2-2)
Art. 311, 312, 313		3(0-6)	3(0-6)	3(0-6)
R. Eng. 120		3(1-4)	.....	.....
Hort. 131, 133		3(1-4)	.....	3(2-4)
Bus. 232			5(5-0)	.....
Elective		3()	3()	3()
Elective .....		.....	3( )	.....
		20	19	15

* Electives must be approved.

** Students interested in general agriculture may select other courses.

Senior			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Bus. 237	5(5-0)	.....	.....
Bot. 123	4(2-4)	.....	.....
Hort. 141, 142, 143	3(1-4)	3(1-4)	3(1-4)
Hort. 144, 145, 146	3(2-2)	3(1-4)	4(1-6)
R. Eng. 121, 122, 123	3(2-2)	3(2-2)	3(0-6)
Electives .....	.....	6( )	.....
	18	15	14

MAJOR IN POULTRY

Junior			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
An. Husb. 132	3(2-2)	.....	.....
Electives .....	.....	6( )	.....
Dairy 134, 145, 146	5(4-2)	4(2-4)	4(2-4)
Agronomy 131	3(2-2)	.....	.....
Bacteriology 121 .....	.....	.....	5(3-4)
Economics 231, 141, 142	5(5-0)	5(5-0)	5(5-0)
Botany 121 .....	.....	.....	3(2-2)
Math. 316	3(3-0)	.....	.....
	19	18	17

Senior			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Poultry 131, 132	3(2-2)	3(2-2)	.....
Zoology 134	3(3-0)	.....	.....
Electives .....	.....	.....	6()
Hort. 122 .....	.....	4(2-4)	.....
Economics 232 .....	.....	5(5-0)	.....
Poultry 133 .....	.....	.....	3(2-2)
Botany 123	3(2-2)	.....	.....
Economics 143	5(5-0)	.....	.....
Rural Eng. 121, 122 .....	.....	3(2-2)	3(0-6)
Poultry 134	3(2-2)	3(2-2)	3(2-2)
	17	18	15

TWO-YEAR COLLEGIATE COURSE IN AGRICULTURE

This course is designed for those who are actually engaged in farming or who expect to be farmers. The course is intended to meet the needs of young people of the state who for any reason are not financially able, or who do not desire to take the full four years of college work.

The course gives practical work covering the general and specialized features of North Carolina Agriculture.

Advantages. Students taking the two-year course do not have to adhere strictly to the outline; other courses may be

substituted that will best meet the needs of the individual student with the advice of the Dean of the department. Students may elect work for one year, or one quarter, etc., as will best meet their immediate needs.

The opportunities for graduates of this course will depend largely upon the character of the student's work while in college, his previous experience, his personality, ability, ambition and industry. With the readjustment through which agriculture is now passing, and the close competition farmers are forced to meet, there is coming a condition which will make it more necessary than ever before for the self-sufficient as well as the commercial farmers, to be trained and intelligent.

A Certificate will be awarded on the satisfactory completion of this agricultural course. In the event a student decides to return later to complete the full four-year course, he will receive credit toward his degree for the two years of work already done.

SUGGESTIVE OUTLINE OF TWO-YEAR COLLEGIATE COURSE IN AGRICULTURE

Freshman Year			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Poul. 111, 112, 122	3(2-2)	3(2-2)	3(2-2)
Eng. 211, 212, 213	5(5-0)	5(5-0)	5(5-0)
Hort. 123, 113	3(2-2)	.....	4(2-4)
Agron. 131, 122, 123	3(2-2)	3(2-2)	3(2-2)
Mil. Sci.	1(0-2)	1(0-2)	1(0-2)
An. Hus. 122 .....	.....	3(2-2)	.....
Bot. 121 .....	.....	.....	3(2-2)
R. Soc. 501	3(3-0)	.....	.....
Dairy 121 .....	.....	.....	5(3-4)
	18	15	19
Sophomore Year			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Econ. 231, 141, 142	5(5-0)	5(5-0)	5(5-0)
An. Hus. 131, 132	3(2-2)	5(3-4)	.....
Zool. 131 .....	.....	.....	3(2-2)
Agron. 141, 143	3(2-2)	.....	3(2-2)
Dairy 133, 145, 146	4(2-4)	4(2-4)	4(2-4)
R. Eng. 121, 122, 123	3(1-4)	3(0-6)	3(0-6)
	18	17	18

HOME ECONOMICS

The course as outlined below is arranged to meet the needs of the following groups of students: Those who wish to teach, those who wish to enter graduate courses leading to technical or professional work, and those who wish to apply their knowledge to various problems of home life, or in fields of industry and social service in which an understanding of home economics subjects is essential to intelligent action.

The training given is as varied as it is broad. It includes a knowledge of the laws of health; an understanding of the sanitary requirements of the home; the study of values, both absolute and relative, of the various articles used in the home; the wise expenditure of money, time, and energy; the scientific principles underlying the selection and preparation of food; the right care of children; and the ability to secure efficient service from others.

A four-year college course in home economics will lead to a B.S. degree in Home Economics.

COURSES IN HOME ECONOMICS LEADING TO THE DEGREE OF B.S.

Freshman Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
English Composition, Eng. 211, 212, 213....	5(5-0)	5(5-0)	5(5-0)
General Chemistry, Chem. 114, 115, 116....	5(3-4)	5(3-4)	5(3-4)
Negro History .....	.....	.....	5(5-0)
Clothing 223 .....	.....	.....	3(2-2)
Food Principles, Foods 221 .....	.....	.....	4(2-3)
Elementary Clothing, Clothing 211	3(1-4)	.....	.....
General Psychology, Ed. 221 .....	.....	5(5-0)	.....
Art Appreciation 327, 328, 329	1(0-2)	1(0-2)	1(0-2)
Physical Education	1(0-2)	1(0-2)	1(0-2)
Home Economics Orientation 211	3(3-0)	.....	.....
Art Structure, Art 309, 310	3(0-6)	3(0-6)	.....

Sophomore Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
English .....	.....	5(5-0)	.....
Education 231 .....	.....	.....	5(5-0)
Physiology, Zool. 121 .....	.....	5(3-4)	.....
Meal Planning and Table Service, Foods 223 .....	.....	.....	4(2-4)
Design and Construction, Cloth. 212.....	.....	3(1-4)	.....
Consumer Buymanship and Family Economics, H. A. 223.....	.....	3(3-0)	.....
Sociology or Economics	5(5-0)	.....	.....
Bacteriology, Bact. 121 .....	.....	.....	5(4-3)
Art Appreciation, Art 337, 338, 339.....	1(0-2)	1(0-2)	1(0-2)
Physical Education	1(0-2)	1(0-2)	1(0-2)
Home Improvement Units	5(0-10)	.....	.....

Junior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Physics 311	5(4-2)	.....
Education 237	3(3-0)
Housing, H. A. 212	3(2-2)	.....
Principles of Nutrition, Foods 241.....	4(2-4)	.....
Child Development, H. A. 242	4(3-2)
U. S. History, Hist. 221 or 222	5(5-0)	.....
Family Relationships, H. A. 224 or Family, Soc. 241	3(3-0)	.....
Electives

Senior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Clothing Construction, Clo. 243 .....	.....	3(1-4)	.....
Methods of Teaching Home Economics, Ed. 252A	3(3-0)	.....	.....
Organization of Home Economics Courses in Schools, Ed. 252B	3(3-0)	.....	.....
Supervised Practice Teaching, Ed. 253.....	.....	5 hrs. cr.	.....
Government, Pol. Sc. 231 or 232.....	5(5-0)	.....	.....
Home Management Residence, H. A. 234....	.....	3(0-8)	3(0-8)
Family Health, H. A. 243	2(1-2)	.....	.....
Electives	.....	.....	.....

SCHOOL OF MECHANIC ARTS

J. M. MARTEENA, *Dean*

The School of Mechanic Arts offers many opportunities to students to help them prepare to meet the demand of industry for leaders and skilled workmen in various technical professions and vocations. In addition to the professional courses and those designed to prepare skilled workmen, the department offers training to prepare teachers in many of these fields. Students who complete the teaching requirements as outlined in the several curricula will qualify for the Class "A" Certificate.

The four-year courses leading to the Bachelor of Science Degree are as follows: Architectural Engineering, Business Administration, Commercial Education, Commercial Industries and Trade Teachers, Electrical Engineering, Fine Arts, Industrial Arts, and Mechanical Engineering.

Extensive offerings in Mathematics and Physics are made for students in all departments.

The Vocational Courses leading to certificates are as follows: Auto Mechanics, Carpentry, Cabinet Making and Upholstering, Shoe Repairing and Leather Work, Tailoring, Machine Shop Practice, Masonry, Laundry Management, Secretarial Science, Plumbing and Steam Fitting, and Welding.

EQUIPMENT

MECHANIC ARTS DIVISION

In the past few years the State of North Carolina has invested many thousands of dollars in equipment for the Mechanic Arts Divisions. Each division has among its equipment the latest design of modern machinery and tools for each particular line of work. The shops and industries so equipped are the automobile mechanics, shoe and leather work, carpentry and building, machine tool, tailor, brick and concrete, forge, plumbing and house wiring, and laundry management.

ART STUDIOS

The Art Studios are equipped with adjustable drawing stands, studio easels and model stands, suitable for work in the various Art Media.

BUSINESS ADMINISTRATION AND SECRETARIAL SCIENCE DIVISION

To help in the solution of problems in Accounting, Office Training and Statistics, the department has several makes of adding and calculating machines; modern 80-division filing equipment; complete outfit for the stencil duplication process and a large number of typewriters comprising more than five makes. For shorthand classes, there is a complete set of phonograph records for dictation and speed building. In addition to the larger equipment, the smaller items include punching machines, stapling machines, and types of instructional charts.

TESTING MATERIALS LABORATORY

The Testing Materials Laboratory of the Department of Mechanical Engineering is equipped to perform standard tests on engineering materials such as iron, steel, wood, sand, gravel, cement, and concrete. The equipment includes a Tyler Ro-Top Machine, a Riehle Briquet Testing Machine, an Olsen Universal Testing Machine of 50,000 pounds capacity, a Brinell Hardness Testing Machine of 3,000 kilogram capacity and various types of sieves, mounds, moisture cabinets, testing needles, scales and gauges.

MACHINE TOOL LABORATORY

This laboratory, a division of the Department of Mechanical Engineering, contains various types and makes of lathes, milling machines, screw machines, drills, grinders, shapers, heat treating furnace, sheet metal machines, hand tools and measuring instruments.

DRAWING ROOM

Our Drawing Department is one of the best to be found anywhere in the State. It has been enlarged, redesigned and equipped with the latest design in equipment. It has a capacity for 60 students working at one time. College students must secure their own drafting instruments.

PHOTOGRAPHIC LABORATORY

To meet the growing demands for photography for both commerce and as a hobby, the college has established a modern photographic laboratory in Alexander Graham Hall.

The laboratory is designed to accommodate a number of students with individual darkrooms and equipment. Included among the equipment available for student use are steel movie camera, enlarged automatic printers, an electrical drier projector, etc.

ELECTRICAL ENGINEERING LABORATORY

The Electrical Laboratory contains a 6½ KVA, 3-, 6-, and 12-phase Westinghouse A.C. synchronous motor, a 5 H.P. Westinghouse D.C. motor, two ¼ H.P. single-phase induction motors, a 1 KVA A.C. motor, a 1¼ H.P. D.C. motor, a 5 KVA 3-, 6-, and 12-phase generator, a 6½ KVA D.C. generator, a 1 H.P. Hobart D.C. generator, a 3 H.P. single-phase motor, a 2 H.P. 3-phase induction motor, a 1 KVA A.C. generator, a 5 KVA motor-generator Westinghouse set for converting from A.C. to D.C. or from D.C. to A.C., and a 1 KVA Hobart Battery Charging Unit. All of this apparatus is installed and equipped with meters, brakes, and loading device for testing. In addition, the laboratory contains D.C. and A.C. Watt hour-meters, potentiometer and meter for measuring currents and voltages.

HEATING PLANT

The Heating Plant is under and a part of the school of Mechanic Arts; its equipment is used for instructional purposes. The plant contains three boilers, making a total of 330 rated horsepower, boiler feed pumps, feed water heater, Bailey meter, draft gage, mechanical stokers, etc.; all of which is modern, being only recently installed.

LAUNDRY

The college operates a well-equipped, up-to-date steam laundry for the benefit of the students and for instructional purposes. The plant contains some of the very latest automatic air-driven shirt units, motor-driven extractor, dry tumbler, flat-work ironer, laundry tubs, garment press, motor-driven darning unit, etc.

PHYSICS

The College Physics Laboratories were designed along with the building in which they are located, and every feature is

modern. The department is equipped with photographic equipment and equipment for technical electrical measurements for advanced study in applied physics.

REFRIGERATION

A Frick ammonia refrigerator system has been recently installed at the college, giving the students of mechanical engineering an opportunity to study operation of mechanical refrigeration as an augment to the work in thermodynamics.

SURVEYING

The equipment for surveying consists of transits, levels, and stadia, along with the minor equipment necessary for field work in this branch of science. Also included are instruments for drawing room work in surveying.

ADMISSION TO THE TECHNICAL COLLEGE

The admission requirements are the same as those given for the entrance to freshman college class.

ADVANCED STANDING

Students who have attended colleges of approved standing will be given appropriate credit for work completed there, upon the presentation of the proper certificate to the Registrar, who will determine the credits for the curriculum which the student wishes to take.

REQUIREMENTS FOR GRADUATION

The requirements for graduation in any division of the School of Mechanic Arts are the satisfactory completion of all courses in one of the prescribed curricula (see tabulation of curricula on pages following).

The student must also own and possess certain books and instruments. This is not an additional expense; as the necessary equipment will be accumulated during his years in college.

SPECIAL STUDENTS

Special students are admitted by the Dean of this College who will see to the arrangement of their courses. Special students are understood to be applicants who desire to undertake special study without becoming candidates for degrees. They must evidence a sincere purpose to undertake and profit by the special study and must be of mature age. They must also give good reason for not entering regularly and for not undertaking one of the regular curricula.

CURRICULA

OUTLINE OF THE FIRST YEAR'S WORK OF ALL FOUR-YEAR CURRICULA

In order to permit all students in the College of Mechanic Arts to find out definitely what courses they desire to pursue, the first year of all four-year curricula is made uniform.

Freshman Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Chemistry 111, 112, 113*.....	5(3-4)	5(3-4)	5(3-4)
Mathematics, Math. 311, 312, 313**.....	5(5-0)	5(5-0)	5(5-0)
English 211, 212.....	.....	5(5-0)	5(5-0)
Mechanical Drawing, M. E. 311, 312.....	3(0-6)	3(0-6)	.....
Descriptive Geometry 314.....	.....	.....	3(1-4)
Military Science, M. S. 211, 212, 213.....	1(0-2)	1(0-2)	1(0-2)
Orientation, Education 211, 212, 213.....	1(1-0)	1(1-0)	1(1-0)
Shopwork, M. E. 317**.....	3(0-6)	.....	.....
	18	20	20

* Students in Business Administration, Commercial Education, Fine Arts, and Commercial Industries should take Chemistry 111 and 112.

** Students in Fine Arts may substitute other courses approved by the head of the department.

THE COLLEGE OF EDUCATION AND SCIENCES

WARMOTH T. GIBBS, *Dean*

The College of Education and Sciences offers to the student opportunity to prepare either for teaching or for any one of several distinct vocational pursuits. The course is constructed so that the student, although specializing, may come in touch with subjects that possess wide cultural value and insure that broader outlook upon life which should characterize the educated man or woman. This College also offers professional courses in subjects required by the State Board of Education for the Standard "A" grade certificate. Students who complete all required professional subjects will qualify for the class "A" certificates offered by the State of North Carolina.

This Department includes these fields: Economics, Education, English, Foreign Language, History and Social Science, General Science, Music, Physical Education, and Religion and Ethics.

REQUIREMENTS FOR ADMISSION

Admission requirements are the same as those given for entrance to freshman college classes (page 22).

REQUIREMENTS FOR GRADUATION

A minimum of 196 term credit hours and 196 grade points, including military science or physical education, and an acceptable thesis are required for graduation. The undergraduate course in Research 246 must be taken not later than the quarter preceding that of graduation.

THESIS RULES

A candidate for the Bachelor's degree in the Department of Education and Sciences must present a satisfactory thesis as part of the graduation requirement. This thesis may be written in either the candidate's major or minor field, and he may choose any instructor in the field in which he is writing his thesis as his adviser. This adviser will automatically become a member of the Thesis Committee, the chairman of which is the instructor in charge of the thesis course (Research

246). The candidate is responsible first to his adviser and then to the Chairman of the Thesis Committee.

After the thesis has been typed and bound, the following persons must sign it before it is considered completed: The candidate's adviser, the chairman of the Thesis Committee, and the Dean of the Department of Education and Sciences.

Each candidate is required to take the thesis course (Research 246) at least one quarter preceding the quarter in which he expects to graduate. Thus, students wishing to graduate in June must take the course not later than the Winter Quarter; those wishing to graduate in August may wait until the Spring Quarter preceding graduation.

The student is required to finish the thesis by the end of the quarter in which he is taking Research 246. If, however, circumstances over which he has no control prevent him from completing the thesis in that time, it must, nevertheless, be typed, bound and signed by the three persons mentioned above on or before May 15 in the case of persons expecting to graduate in June. If a candidate for graduation in August is unavoidably prevented from completing his thesis while taking the course he must finish his thesis and obtain the required signatures two weeks from the date of graduation.

ADVANCED STANDING

Students who transfer from accredited colleges will be given credit for work done upon presentation of records to the proper authorities who will evaluate them.

OPPORTUNITIES FOR WOMEN

All courses in the college are open to women on the same basis as men. There is a great demand for well-trained women not only as teachers but in practically all fields of endeavor. Accordingly, women registering in the Teacher Training Division may, with approval of their adviser, select courses in any other division or department of the Institution.

The aim of this division is to give the women as well as the men who plan to teach every opportunity to take full advantage of all the facilities of the college in developing the best and most comprehensive training possible.

ADVISERS

Each student of the college is assigned an adviser when he presents himself for registration. The adviser is always a member of the faculty. All courses must be elected with the approval of the adviser assigned.

MAJORS AND MINORS

A student upon entering his third year is expected to concentrate in at least two definite fields of study. In arranging his work he must conform to the following regulations: (1) At least forty-five hours of the total number required for graduation must be chosen from a particular subject or field, in which he must maintain a grade point average of 1.5 or more. This will constitute the student's major group. (2) At least 27 hours must be chosen from another subject or field, in which he must maintain a grade point average of 1.0 or more.* This will constitute his minor group. The major should represent the student's principal field of interest and the minor, that of his second selection. Persons preparing to teach should complete majors in two fields.

- I. The following are suggested as fields for major study:
 1. Biological Science
 2. Business Administration and Economics
 3. Chemistry
 4. Commercial Education
 5. English
 6. General Science
 7. Social Science
 8. Mathematics
 9. Modern Languages
- II. For a minor the student may select any one of the above fields, music, or physical education.
- III. The elective work may be taken in any of the departments indicated above or from any other department of the institution subject to the approval of the Dean of the College of Arts and Sciences.

Students are urged to select courses in accordance with a

* Fifty hours are required for a major in English; thirty-two hours for a minor.

definite plan, and with a definite object in view. Those looking forward to teaching or working in small towns or rural districts especially should bear in mind that the number of trained workers in any given department is likely to be small and the facilities limited. They should therefore use their choice of electives in acquiring knowledge or skills that will be of immediate use to them in such communities. Courses in general agriculture, animal husbandry, commercial industries, industrial arts, foods and clothing may prove to be most beneficial as electives for such students. These are strongly recommended as electives for such teachers and workers.

GENERAL MINIMUM DISTRIBUTION REQUIREMENTS

In addition to majors and minors each candidate for graduation will be required to meet the following distribution requirements both as to subjects and hours.

1. Foreign language, 10 hours for those who present two admission units of high school credit in the same language, and who pass the placement test in same, others 15 hours.

*2. Mathematics, 10 hours.

3. English, including Composition and Literature, 20 hours.

4. Science, 10 hours of chemistry or physics and 10 hours of biological sciences.

5. History of the Negro, of America, of Modern Europe, 5 hours each, 15 hours.

6. Music or Art Appreciation, 4 to 6 hours.

7. Military Science or Physical Education, 12 hours.

8. Orientation, 3 hours.

9. Vocations, 6 to 10 hours.

10. Research, 3 hours.

CURRICULA

During the first two years in the Department of Arts and Sciences, the student is expected to lay a broad foundation for later specialization. To secure this end the courses in the freshman and sophomore years have been so selected and grouped as to cover all of the major fields of knowledge. They are prescribed and required of all students in the college.

* Persons holding a satisfactory state teachers certificate may substitute General Science or General Mathematics in lieu of this requirement.

REQUIRED COURSES FOR FRESHMEN AND SOPHOMORES

English 211, 212, 213—Composition.....	15 hours
English—Elective	5 hours
Foreign Language (one language).....	10-15 hours
*Mathematics	10 hours
History 213, 211 or 212, 221 or 222.....	15 hours
Science—Chemistry 111, 112, or Physics 321, 322....	10 hours
Biological Science, Botany 111, Zoology 111.....	10 hours
Music 211, 212, 213, 221, 222, 223,	
or	
Art 327, 328, 329, 337, 338, 339.....	6 hours
Military Science 211, 212, 213, 221, 222, 223 (for	
men)	12 hours
Physical Education, six quarters (for women).....	6 hours
Orientation	3 hours
Vocations	9 hours

SAMPLE SCHEDULE

The following are typical examples of how normal schedules might be arranged. Others more in accord with the students' interest and aptitudes might be selected:

Freshmen

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Eng. 211, 212, 213	5(5-0)	5(5-0)	5(5-0)
Math. 311, 312	5(5-0)	5(5-0)	.....
Hist. 213 .....	.....	.....	5(5-0)
Zool. 111 .....	.....	.....	5(5-4)
Ed. 211, 212, 213	1(0-2)	1(0-2)	1(0-2)
Mil. Sci. 211, 212, 213	2(0-4)	2(0-4)	2(0-4)
or			
Physical Education	1(0-2)	1(0-2)	1(0-2)
Mus. 211, 212, 213			
or			
Art 327, 328, 232	1(0-2)	1(0-2)	1(0-2)
Vocations	3(0-6)	3(0-6)	3(0-6)
	<u>16(10-12)</u>	<u>16(10-12)</u>	<u>16(10-16)</u>

* Persons holding satisfactory state teachers certificate may substitute General Science or General Mathematics in lieu of this requirement.

Sophomores

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Eng. 220, 221 or elective .....	.....	.....	5(5-0)
Chem. 111, 112			
or			
Phy. 321, 322	5(3-4)	5(3-4)	.....
Bot. 111	5(3-4)	.....	.....
Zool. 121 .....	.....	.....	5(3-4)
Math. 313 .....	.....	.....	5(5-0)
Mil. Sc. 221, 222, 223	2(0-4)	2(0-4)	2(0-4)
or			
Physical Education	1(0-2)	1(0-2)	1(0-2)
Mus. 221, 222, 223			
or			
Art 337, 338, 339	1(0-2)	1(0-2)	1(0-2)
	<hr/> 15(10-10)	<hr/> 17(13-8)	<hr/> 17(13-8)

COURSES PRELIMINARY TO ADMISSION TO MEDICAL COLLEGE

This Institution has been rated as class "A" by the American Medical Association as to qualifications for giving pre-medical school training. Students completing the prescribed course are therefore admitted to the medical colleges of this country without examination.

All students planning for the study of medicine are urged, however, to complete the four-year course and receive their degree before entering medical school.

PRE-MEDICAL

Students are advised to select subjects in college which assure a broad background for later medical study rather than merely confining themselves to courses and fields required in the medical curriculum. Electives should include Psychology, Political Science, History, Economics, Sociology, and Mathematics.

The following represent the minimum requirements in general for admission to class "A" Medical Schools:

	<i>Quarter Hours</i>
Chemistry (inorganic)	15
Chemistry (organic)	9
Physics	15
Biology	12

	<i>Quarter Hours</i>
English (composition and literature).....	18
A modern foreign language (a reading knowledge)	12
Electives	10-18

Most medical colleges recommend at least one year of mathematics (in college).

MAJORS AND MINORS

On reaching the junior year in college each student will be required to make out a program of study covering both the junior and senior years indicating his major and minor, and also the courses intended to meet these requirements. This will be submitted to his adviser for approval. No student may begin concentrating in a major or minor field of study until he has received written approval of his major professor.

ELECTIVES

In addition to minimum distribution requirements, a major and a minor, required of all, each student is permitted to elect such additional courses as will satisfy the graduation requirements, but in so doing he is urged to exercise the greatest care in order that his choice may add further to the integration and coordination of his program. All such electives must be made with the approval of the student's adviser.

For a list of suggested electives for rural principals and teachers, see page 124.

* Pre-medical students and majors or minors in Chemistry should register for Chemistry 111, 112, and 113 in successive quarters.

THE GRADUATE SCHOOL

W. L. KENNEDY, *Chairman*

GENERAL STATEMENT

The Agricultural and Technical College of North Carolina offers to qualified students the opportunity to pursue advanced courses and to undertake research in Agriculture, Technical and Applied Sciences. All the technical and scientific departments give courses and direct research leading to the various Master of Science degrees.

The object of graduate study differs somewhat from that of undergraduate study. While extending the range of the student's knowledge still farther, the constant aim is to develop initiative, judgment, and the power of independent thought.

The work of the Graduate School is under the general control of the Graduate Committee. The Chairman of the Graduate Committee is charged with general supervision of all graduate students and is the medium of communication between such students and the college administration. The faculty consists of such members of the instructional staff as have immediate supervision of graduate courses.

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the baccalaureate degree are substantially equivalent to those of The Agricultural and Technical College of North Carolina.

Admission is granted by the College Registrar. If the applicant has attended more than one institution, two official transcripts of the work covered at each institution are required. This applies to the complete academic record, both undergraduate and graduate. Official credentials should be sent directly from institutions to the Registrar. Failure to give attention to this important point in advance can lead only to delay in registration.

Prospective students may make inquiries at any time regarding the possibilities of graduate study. Matters having to do with admission should be addressed to the College Registrar. Blanks to be used in making applications for admission are obtained from the Registrar. General inquiries regarding

graduate work may be addressed to the Chairman of the Graduate school. Students should not hesitate to write directly to a department head if they have specific questions regarding the work of a department.

REGISTRATION

All students must register at the beginning of each quarter or summer term. The registration days are indicated in the college calendar. Graduate students are allowed three days for registration following the regular registration days before the late fee of \$3.00 is imposed.

The student must prepare each term a program satisfactory to the major department. When this schedule is approved by the Chairman of the Graduate Committee, the student shall present himself at the office of the Registrar and shall fill out such blanks as may be required.

The payment of the required fees at the Bursar's office completes the registration.

CHANGES IN STUDY-LISTS

A graduate student is expected to plan his work so carefully that changes in his study-list during the quarter will not be necessary. When a change is advisable, however, it may be permitted without fee if made within one week of the date of registration. After that date, a fee of one dollar is charged for each change.

REQUIREMENTS FOR MASTER'S DEGREE

Candidates for the degree of Master of Science are required to do at least one full year's work in residence including a thesis. If work is done during the summer session, a minimum of four six-weeks sessions of study and residence is required. A minimum of forty-five quarter hours or thirty semester hours will be required. From three to five hours credit will be given for the thesis, the number of hours being determined by the department head. Only first-rate students will be permitted to secure a degree with this minimum time.

Of the total number of hours required for a Master's degree one-half must be in the major field of study and the remaining half is to be distributed in not more than two other fields. The mere completion of a stated amount of work does not en-

title a candidate to recommendation for a degree. He must pass examinations upon such subjects and at such times as shall be designated by the department concerned.

THESIS

A thesis based upon research in the major department is required of every candidate. The thesis must demonstrate the candidate's ability to do independent study and must be acceptable in literary style and composition. A thesis offered in partial fulfillment of the requirement for a Master's degree must be typewritten and bound according to specifications furnished by the Graduate School, and before it is accepted, it must be approved by the major professor under whose guidance the research has been done. Two copies shall be deposited in the College Library two weeks before graduation, and its title, as approved by the major professor, will appear on the official Commencement program.

SCHOLARSHIP

A minimum grade of "B" must be made in all courses to obtain graduate credits. A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurs. No conditional examination is given graduate students.

As designated under Description of Courses, the courses numbered 600-699 are for graduate students only. Courses numbered 500-599 are for graduates and undergraduates.

PERIOD OF REGISTRATION FOR DEGREE

It is desirable that graduate students complete the work for the Master's degree within a reasonable time. A candidate who does not complete his work within a period of five years from registration will be required to start anew to meet the requirements for the degree.

CANDIDACY FOR MASTER'S DEGREE

Admission to the Graduate School does not imply admission to candidacy for a degree. After a period of two summer sessions, or one quarter, the Graduate Committee will examine the candidate to determine his fitness for a degree.

FEES

The graduate student will pay five dollars when he matriculates and two dollars for each credit hour for all courses.

DESCRIPTION OF COURSES

DEPARTMENT OF AGRICULTURAL SCIENCES

COURSES IN AGRONOMY

For Undergraduates

- 122. Nature and Properties of Soils.** This course deals with the origin, formation and classification of soils and their chemical relationships, also the chemical, physical and biological properties, with reference to composition and plant relations of soils. Winter. Prerequisite: Chem. 114. Credit 3(2-2).
- 123. Soil Management.** This is a continuation of Agronomy 122 and it deals with the methods of soil utilization, including the methods of fertilization of soils, the mixing and applying commercial plant foods, the use of green manure, stable manure, lime and the influence of crop rotation and fertilizer on the soils as shown by field tests and experiments. Prerequisite: 122. Spring. Credit 3(2-2).
- 131. Field and Forage Crops.** This course consists of a study of the main field and forage crops in North Carolina. It includes lectures and recitations together with appropriate laboratory exercises on these crops. Attention is paid in detail to the following phases of the subject: history, production, culture, harvesting, uses, State-approved varieties. Prerequisite: 122. Spring. Credit 3(2-2).
- 132. Forage Crops.** This course supplements the course Agronomy 131 for Agronomy major and special students. It covers in a very detailed manner the major forage crops adapted to North Carolina. Some phases of the field covered are: crops adapted to the State, selection of forage crops, selection and preparation of land for forage crops, emergency forage production, making and curing hay, making and preserving silage, production and management of pastures. Laboratory work includes identification of forage crop seeds and forage crop materials in both the growing and cured stages. Prerequisite: 122. Fall. Credit 3(2-2).

- 133. Field Crops.** This course supplements the course, Agronomy 131 for Agronomy major and special students. It consists of a study of the major field crops of North Carolina excepting cotton and tobacco. It covers the following aspects of the field: history, varieties and adaptation of crops, selection of land and fertilizers, cultural practices in production place in the rotation and soil conservation plan. Laboratory will consist of identification of seed or field crops, study of seed quality, seed judging and identification of field crops by vegetative and fruiting parts. Prerequisite: 122. Winter. Credit 3(2-2).
- 140. Soil Conservation.** This course is a study of the nature, causes, occurrence and importance from an economic standpoint of soil erosion. Attention is given to the several phases of soil conservation as counter checks against erosion, farm planning, land use planning, reforestation, terracing, strip cropping, contour farming and crop adaptations. Field trips will be arranged for study and practice on actual problem cases. A fee may be charged at the discretion of the instructor, to pay for transportation. Prerequisite: 122, 123, 131. Fall. Credit 4(2-4).
- 141. Tobacco.** This course includes lectures recitations and laboratory on the history, production, adaptation, type, varieties cultivation, harvesting, grading, marketing, diseases and control measures, based on North Carolina conditions. Prerequisites: 122, 123. Fall. Credit 3(2-2).
- 143. Cotton.** This course includes lectures and recitations on the history, origin, production, adaptation, varieties, cultivation, harvesting and grading with some reference to marketing, diseases and control measures, rotation and the up-keep of soil fertility under long time cropping systems. Prerequisites: 122, 123. Fall. Credit 3(2-2).
- 144. Farm Experiences.** This course will provide the student with practical participating farm experiences on the College Farm until he can demonstrate reasonable skills in the more commonly met farm activities as: care of workstock, harnessing workstock, care and repair of harness, repair of

farm machinery, operation of farm tools and machinery including the tractor, laying out fields and use of various tools in common cultivation activities. All Agronomy majors must register for the course and demonstrate efficiency to the satisfaction of the Farm Superintendent, who will be in charge of the work. All or any part of this work may be waived at the decision of the Farm Superintendent. Prerequisites: 122, 123, 131. Spring. Credit 3(0-6).

501. Soils. A course in advanced soil problems for graduates and advanced undergraduates. Prerequisite: 123. Winter. Credit 3(2-2).

502. Cotton (Advanced). A study of universal standards of American upland cotton, for grade and staple. Factors that determine grade and how to improve them. Practice will consist in classing. Prerequisite: 143. Credit 3(2-2). Quarter by arrangement.

503. Soil Survey. The making of detailed soil maps and the writing of soil survey reports. Prerequisite: 123. Spring. Credit 4(2-4).

504. Fertilizers. A study of the sources, manufacture, characteristics, and utilization of fertilizers; calculation of formulas. Prerequisites: 123, 131. Winter. Credit 3(2-2).

521. Advanced Cotton Production. Advanced study of cotton production problems. Prerequisites: 123, 143. Credit 3(2-2). Quarter by arrangement.

522. Seed Certification Problems. A study of standards of quality in field crops for certification. Prerequisite: 131. Credit 3(2-2).

523. Seed Judging. Advanced study of quality in crop seeds and standards for seed certification. Arranging and judging of crop exhibits. Prerequisite: 131. Fall. Credit 3(1-4).

531. The Soils of North Carolina. The origin, characteristics, plant adaptation, and fertilizer needs of North Carolina soil types. Prerequisite: 122. Credit 3(2-2). Quarter by arrangement.

- 533. Legumes and Grasses.** Advanced study of legumes and grasses as to their adaptation and uses. Emphasis is placed on their economic use in crop and livestock farming. Prerequisite: 122. Spring. Credit 3(2-2).
- 534. Crop Breeding.** Principles of plant breeding reviewed and applied to the principal North Carolina field crops; hybridization, and breeding for special qualities. Prerequisites: 131, 132, 133. Credit 3(2-2). Quarter by arrangement.
- 601. Research in Crops.** (For graduate students.) Special problems chosen by the student or assigned by the instructor. Credit and quarter to be arranged.
- 602. Research in Soils.** (For graduate students.) Special problems chosen by the student or assigned by the instructor. Credit and quarter to be arranged.

COURSES IN ANIMAL HUSBANDRY

For Undergraduates

- 121. Principles of Dairying.** This course takes up secretion, composition, testing and separation of milk; the farm manufacture of cheese, butter and ice cream.
- 122. Farm Animals.** A study of general farm animals. Special attention is given to sheep, horses, mules and beef cattle. The different breeds of the animals named as well as their care and management will be considered. Winter. Credit 3(2-2).
- 131. Diseases of Farm Animals.** This course deals in a general way with the following phases of animal diseases, causes, prevention, treatment, manner of spread, disinfectants and their application, general hygiene, stable sanitation and the location of site including drainage will be given. Prerequisite: 122. Fall. Credit 3(2-2).
- 132. Animal Nutrition.** This is a study of the general principles of nutrition as applied to livestock, composition of feed stuffs, comparisons of feeding standards, calculating rations,

methods of feeding for economical production. Prerequisite: 122. Fall. Credit 5(3-4).

133. Animal Breeding. A study of the principles of genetics as applied to the improvement of farm animals, and some of the methods and problems of the breeder. Prerequisites: 122, 131. Credit 3(3-0).

134. Feeding of Dairy Cattle. A study of special problems pertaining to the feeding of dairy cattle; feeding for high market production; practices in balancing rations. Prerequisite: 132. Credit 5(4-2).

141. Swine Production. A study of practical hog raising stressing such points as breeds, breeding, selecting breeding stock; feeding, diseases, insect pests and sanitation. Prerequisites: 122, 131. Fall. Credit 3(2-2).

145. Practical Dairying. A study of dairy barn construction, barn sanitation and disinfectant, dairy bacteriology and the methods of sterilization, standardization and pasteurization of milk and cream; making artificial buttermilk, cottage cheese and cream cheese; preparing and marketing of milk, cream and other milk products. Prerequisite: 122. Spring. Credit 4(2-4).

146. Dairy Herd Management. A course in feeding and management of the dairy herd. It includes a study of pedigrees, handling test cows, advanced registration, fitting cows for show and for sale.

Graduates and Advanced Undergraduates

502. Farm Meats. The course includes killing, dressing, cutting, curing and smoking, sausage making and meat inspection. Trips will be made to the City Abattoir to supplement work done at the college. Prerequisite: 122. Fall. Credit 3(1-4).

504. Ice Cream Making (Formerly Dairy 132). A study of the manufacturing of ice cream, sherbets and ices on a private or commercial scale, marketing and scoring and judging. Prerequisite: 122. Spring. Credit 5(3-4).

- 512. Marketing Livestock.** Developments and markets including the packing industry, methods of marketing and factors affecting receipts and prices of market animals.
- 513. Advanced Livestock Judging.** Advanced judging of horses, cattle, sheep and swine; history, purposes and organization of breeding associations; use of herd books; tabulations and a study of pedigrees; the work and methods of constructive breeders.
- 514. Anatomy and Physiology of Domestic Animals.** A study of viscera, general physiology and pathology.
- 515. Dairy Bacteriology.** The significance and classification of bacteria in milk and milk products and laws relating thereto; equipment and methods used in laboratories. Interpretation of bacterial counts and milk and its products. Prerequisite: Bact. 121. Fall. Credit 3(2-2).
- 521. Problems in Dairy Technicology.** Technical problems relating to the manufacture of dairy products; methods of experimentation.
- 522. Advanced Animal Nutrition.** The principles and facts of the science of animal nutrition and economic feeding, practices with special attention to recent discoveries pertaining to quality in the protein, mineral requirements and the vitamins.
- 526. City Milk Supply.** The phases of the City Milk Supply from the standpoint of the Milk Inspector and the Board of Health; the methods and processes used in a central pasteurizing milk distribution plant and the dairymen supplying milk to same; the raw retail milk distributor and his problems. Prerequisite: 505. Winter. Credit 3(2-2).

For Graduates Only

- 601. Research Studies in Animal Husbandry.** An intensive study and experimental data. Time and credit to be arranged.

- 602. Special Problems in Dairy Husbandry.** Available for graduate students interested in such special dairy problems under definite supervision and approval. Time and credit to be arranged.
- 603. Seminar.** Members of the Seminar will be assigned subjects which will be reviewed and discussed. Review of literature, scientific reports and experimental station bulletins. Oral and written reports. Time and credit to be arranged.

COURSES IN POULTRY SCIENCE

For Undergraduates

- 111. General Poultry Problems.** A general introductory course that is very practical for those who plan to raise or teach poultry. It stresses such phases of the industry as plant location, selection of site, plant equipment, foods and feeding, flock care, culling, sanitation, insects and diseases. Fall. Credit 3(2-2).
- 112. Operation of the Poultry Plant.** Attention will be paid to such factors in economy as the selection and equipment, use of equipment, making simple equipment, cost of equipment, feeding systems, compounding rations, utilizing home grown products in the rations with practical cost study problems. Winter. Credit 3(2-2).
- 122. Incubation and Brooding.** The embryology of the chick, then a more detailed study of the theory and actual practice of incubator operation, studies in the construction and operation of different types of incubators and brooder stoves. The chick, its care and management through the first four weeks. Prerequisite: 112. Winter. Credit 3(2-2).

For Graduates and Advanced Undergraduates

- 501. Marketing Poultry Products (Formerly Poul. 133).** A study of the theory and practice in classifying, candling, grading and preserving eggs; fattening chickens, handling and dressing. The baby chick business in market. Prerequisite: 112. Winter. Credit 3(2-2).

- 502. Poultry Problems (Formerly Poul. 134).** Poultry disease problems; nutritional problems; judging problems. Prerequisite: 112. Time and credit to be arranged.
- 503. Selection and Mating of Poultry.** Methods of recognition and selection for purpose of mating from both standard and utility standpoints. Study of progeny performance. Prerequisites: 112 and Zool. 134. Credit 3(2-2).
- 504. Poultry Nutrition (Formerly Poul. 131).** Feeds and feeding; physiology of digestion, absorption and elimination; mineral and vitamin requirements. Fall. Credit 3(2-2).
- 505. Poultry Judging.** Class and practice work in standard and utility judging of fowls. Selection preparation, breeds for showing. Winter. Credit 3(2-2).
- 521. Poultry Diseases (Formerly Poul. 130).** Sanitation, parasite infestation and control, contagious and non-contagious diseases of the fowl. Winter. Credit 3(1-4).
- 522. Poultry Anatomy.** A study of normal structure of the fowl, including osteology, arthrology, myology, splanchnology, angrology, enurology and oesthesiology. Prerequisite: 502. Spring. Credit 3(2-2).
- 531. Commercial Poultry Plant Management.** A study of poultry farm organization and management; hatchery management; the economics of the poultry industry and factors influencing profit in poultry enterprises. Prerequisite: 112. Spring. Credit 3(2-2).

Graduates Only

- 601. Production Studies and Experiments.** Problems in poultry nutrition, breeding and commercial poultry production and marketing. Time and credit to be arranged.
- 602. Poultry Research.** Problems chosen or assigned. Time and credit to be arranged.
- 603. Seminar.** Problems vital to the poultry industry will be discussed by the students and members of the staff. Time and credit to be arranged.

COURSES IN HORTICULTURE

- 113. Vegetable Growing.** This is a study of the general principles involved in vegetable growing. The student will be given an opportunity to carry out some of the principles taught through practical work in assigned plots of which he will have full charge. He will be required to plan, plant and cultivate the assigned plot. Spring. Credit 4(2-4).
- 122. Fruit Growing.** This is a study of the general principles involved in fruit growing. Consideration will be given to the establishment of commercial orchard establishments. The course will be comprised of a study of locations, sites, soils, fruit varieties, pruning and spraying, and the general practices involved in general orchard management. The importance of the home orchard will also be emphasized. Fall. Credit 3(2-2).
- 123. Flower Growing.** This is a study of the general principles involved in amateur flower growing. The course will be comprised of a study of annuals, biennials, perennials, bulbs, roses, and shrubs that are valuable for the home flower garden. Practical experience will be given in planning, planting, and caring for an assigned flower bed. Prerequisite: Hort. 133. Spring. Credit 3(2-2).
- 124. Flower Growing.** This course is designed to further the student's knowledge in specialized flower growing. Attention will be given to detailed development of the private area. Prerequisite: 123. Fall. Credit 3(2-2).
- 131. Plant Materials and Propagation.** This course will include the identification of trees, shrubs and vines of North Carolina. The laboratory work will be done largely in the field. The use of these materials in simple landscaping will be stressed. Methods of grafting, budding, seeding, and the making of cuttings will be practiced during the laboratory periods. Fall. Credit 3(2-4).
- 133, 134. Landscape Architecture.** This course gives a general survey of the principles of the art of beautifying the home and farm grounds as well as the community and public

buildings. Laboratory work will consist of practical work in landscaping projects about the campus and community. Landscaping as a commercial enterprise will be emphasized. Prerequisite: Farm Surveying and Leveling. Fall and Spring. Credit 4(2-4) each quarter.

141, 142, 143. Greenhouse Management. This course is designed for such students who desire to enter into commercial enterprises rather than teaching. The course of study will involve the principles of year-round management of a greenhouse establishment. Attention will be given to vegetable forcing, floral arrangement and merchandizing, interior decorations with flowers and plants, soil management, greenhouse heating, ventilation, watering, and general plant culture. Prerequisite: Hort. 123, 131. Fall, Winter and Spring. Credit (each quarter) 3(1-4).

144. Systematic Horticulture. The course consists of a study of the characteristics of various varieties of fruits and vegetables in an effort to determine the merits of each variety in its relation to growing conditions and market demands. Fall. Credit 3(2-2).

145. Horticultural Buildings. This course consists of the study of the construction of various buildings needed for horticultural enterprises. Hot beds, cold frames, nursery frames, greenhouses, storage houses, packing houses will receive special attention. Winter. Credit 3(1-4).

146. Special Project. The student will select some problem after consultation with the instructor and will plan and execute research under supervision. Research reading will be required. The results of the research will be incorporated in a thesis at the end of the quarter. Students in this course must have shown considerable aptitude in all of the other horticultural courses. Quarter to be arranged. Credit 4(1-6).

COURSES IN RURAL ENGINEERING

R. Eng. 119. Agricultural Practices. The purpose of this course is to give prospective teachers of agriculture best methods to use in starting school nursery, putting over a community

beautification project. The course includes making maps of the farm, drainage, terracing and other practices selected by the pupils. Winter. Credit 3(1-4).

R. Eng. 120. Farm Shop Practice. This course is open to students who plan to teach vocational agriculture. The purpose of the course is to aid the student in developing skill in farm shop practices. The students will be expected to furnish their material for practice work. Fall. Credit 3(0-6).

R. Eng. 121, 122, 123. Methods in Farm Shop Practice. This course is taken simultaneously with practice teaching. It is designed to better prepare trainees for the farm shop program in keeping with the Vocational Acts. Fall, Winter and Spring. Credit 3(0-6) each.

COURSES IN AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

AGRICULTURAL ECONOMICS

For Undergraduates

141. Agricultural Economics (Formerly Ec. 271). A general course taking up economics and social problems of agriculture; principles of production, distribution, consumption and the relation of agriculture to other industries. Winter. Credit 5(5-0).

142. Farm Management (Formerly Ec. 273). A study of the factors of production as they relate to the individual farm; systems of farming, their distribution and adaptation; problems of labor, machinery, layout of farms, crop and live-stock selection, and rotation system. Spring. Credit 5(5-0).

143. Marketing Farm Products. A study of the economic principles underlying successful marketing of farm products, market organizations and control, price-making forces and critical examination of the present system of marketing farm products. Fall. Credit 5(5-0).

For Graduates and Advanced Undergraduates

501. Farm Records. Methods and practice of taking and keeping farm inventories, feed records, crop records, simple

financial statements, and analysis and the interpretation of results obtained from farm business transactions. Prerequisite: 142. Credit 3(1-4).

502. Rural Law. Classification of farm property; study of farm boundaries, fences, stock law, rents, contracts, deeds, abstracts, mortgages, taxes, and laws governing shipping of farm products. Prerequisite: 142. Credit 3(3-0).

503. Advanced Farm Management. A further study of the principles of farm organization and management as applied to typical regions of North Carolina. Occasional field trips will be made to study successful farms. Prerequisite: 142.

504. Farm Cost Accounts. Construction and interpretation of cost accounts; relation of cost to price. Cost of production studies and the interpretation of results; closing and analyzing a set of farm cost accounts.

505. Principles of Cooperation. A study of the principles underlying cooperative endeavor. Experiences of cooperative associations of farmers are used as illustrative material. Credit 3(3-0).

506. Marketing Methods and Problems. A careful study of the problems and methods involved in marketing of farm products. Suggestions for improvement will be stressed. Credit 3(3-0).

507. Agricultural Finance. Principles involved in financing the production and marketing of agricultural products. Consideration of farm mortgage credit, personal and intermediate credit, and agricultural taxation. Credit 3(3-0).

508. Agricultural Statistics. Statistical methods and their application. Frequency distributions, averages, measurements of variation, their reliability, trend and linear correlation. Classification, tabulation, and graphic representation. Credit 3(3-0).

For Graduates Only

602. Economics of Agricultural Production. Economic theories applicable to agriculture. The nature and characteristics of

the factors of production, the law of variable proportion, the law of diminishing return, and the theory of least cost. Credit 3(3-0).

602. Farm Organization and Management. The extension of the economic principles discussed in Agricultural Economics 503 and the application of these principles to the problems of farm organization and management. Credit 3(3-0).

603. Land Economics. The economic problems of land classification, ownership and acquisition of land, tenancy and land ownership, the functions of the landlord and the tenant, land valuation and speculation. Credit 3(3-0).

604. Current Problems in Agricultural Economics. The content of this course will be changed from year to year. Important problems vital to agriculture will be studied as they develop; topics prepared and presented by students and staff members. Credit 3(3-0).

605. Research in Agricultural Economics. A consideration of the research method and procedure now being employed by research workers in the field of Agricultural Economics, with special application to farm management and marketing. Credit 3(3-0).

RURAL SOCIOLOGY

Advanced Undergraduates and Graduates

501. Rural Social Problems. Development and functioning of basic rural social institutions, cultural background, standards, and methods as related to cooperative effort and social change. Credit 3(3-0).

502. Rural Leadership. Specific problems of rural life; selection, development, tasks, obligations, and opportunities of rural leadership. Credit 3(3-0).

503. Community Organization. Community organization in North Carolina and other States, with special reference to community organization among Negroes. With proposed programs for improvement. Credit 3(3-0).

504. Research in Rural Sociology. Research problems in population, community organization, family life, standards of living and social attitudes. Credit 3(3-0).

505. Seminar. The structural characteristics and classification of different types of social groups as related to their functions are studied. Credit 3(3-0).

DEPARTMENT OF ARCHITECTURAL ENGINEERING

Freshman Year

See First Year's Curricula of Mechanic Arts.

Students intending to pursue work in the Department of Architecture may substitute Art 309 for shop M. E. 317.

Sophomore Year

	Fall	Winter	Spring
History of Arch., Art 324, 325, 326.....	5(5-0)	5(5-0)	5(5-0)
General Physics, Physics 321, 322, 323.....	5(4-2)	5(4-2)	5(4-2)
Mathematics, Math. 321, 322, 323.....	5(5-0)	5(5-0)	5(5-0)
Military Science, M. S. 321, 322, 323.....	1(0-2)	1(0-2)	1(0-2)
Arch. Design, A. E. 321, 322, 323.....	4(1-8)	4(1-8)	4(1-8)
	20	20	20

Junior Year

Mechanics, M. E. 331, 332, 333.....	5(5-0)	5(5-0)	5(5-0)
Arch. Design, A. E. 331, 332, 333.....	5(0-10)	5(0-10)	5(0-10)
Working Drawings, A. E. 334, 335, 336.....	3(1-4)	3(1-4)	3(1-4)
Heating and Ventilating, M. E. 334, 335.....	3(3-0)	3(3-0)	3(3-0)
Perspective, A. E. 324	3(3-0)	.....	.....
Freehand Drawing, Art 311, 312, 313.....	3(0-6)	3(0-6)	3(0-6)
	19	19	19

Senior Year

Arch. Design, A. E. 341, 342, 343.....	5(0-10)	5(0-10)	5(0-10)
Figure Drawing, Art 342, 343.....	3(0-6)	3(0-6)	.....
Concrete Design, A. E. 345.....	.....	.....	4(3-2)
Architectural Practice, A. E. 346.....	.....	2(4-0)	.....
Materials of Construction, I. A. 324.....	3(3-0)	.....	.....
Surveying Math. 324 .....	.....	.....	2(0-4)
Electives	6	7	3
	17	17	17

Electives

Non-Technical

French

English

Commercial Law

Economics

Technical

Testing Materials M. E. 346

Electric Wiring I. A. 350

COURSES IN ARCHITECTURAL ENGINEERING

- A. E. 321, 322, 323. Design.** Studies of the Architectural elements, classic orders, etc. Problems in architectural design and composition; rendering. Prerequisite: M. E. 312. Credit 4(1-8).
- A. E. 324. Perspective.** Drafting, principles of architectural perspective in parallel, angular, and aerial. Prerequisite: M. E. 314. Credit 3(0-6).
- A. E. 331, 332, 333. Design, Laboratory Work.** A series of problems in architectural composition and structural detail. Prerequisite: A. E. 323. Credit 5(0-10).
- A. E. 334, 335, 336. Working Drawings.** Analyzing and drawing of architectural and structural engineering details. Credit 3(0-6).
- A. E. 341, 342, 343. Laboratory Work with Individual Criticism.** Problems in architectural design and composition. Treatments of exteriors and interiors. Prerequisite: A. E. 333. Credit 5(0-10).
- A. E. 345. Concrete Design.** Lecture and recitation. Theory and design of reinforced concrete as applied to columns, beams and slabs for commercial buildings. Prerequisites: A. E. 336, I. A. 324. Credit 4(3-2).
- A. E. 346. Architectural Practice.** A study of procedure and architectural practice. Seminar. Credit 2(2-0).

DEPARTMENT OF BIOLOGICAL SCIENCES

MAJOR IN BIOLOGICAL SCIENCES

A minimum of ten quarter hours in the biological sciences is required for graduation in Arts and Sciences, fifteen in Home Economics, and eighteen in Agriculture.

The following is suggested for those who desire to complete a major. This major is recommended for those desiring to enter the field of teaching, research, the medical professions, or government service.

Junior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
General Physics, Phy. 321, 322.....	5(4-2)	5(4-2)	.....
Chem. 113, 121, 122	5(3-4)	5(2-6)	5(2-6)
General and Organic Chemistry, Plant Physiology, Bot. 121 .....	.....	.....	3(2-2)
Plant Diseases, Bot. 123 .....	.....	3(2-2)	.....
P. Ed. 233, 237	3(3-0)	.....	3(3-0)

Senior Year

Physiology, Zool. 121	5(3-4)	.....	.....
General Bacteriology, Bact. 121.....	.....	.....	5(3-4)
Genetics, Zool. 134	3(3-0)	.....	.....
Histology, Zool. 132 .....	.....	3(2-2)	.....
Embryology, Zool. 123 .....	.....	.....	3(2-2)
Geog. 240, 241 .....	.....	5(5-0)	5(5-0)
Electives	5(3-4)	5(3-4)	.....

MAJOR IN GENERAL SCIENCE

This major is suggested especially for those planning to teach science in the small high schools of North Carolina. For the freshman and sophomore courses in science see pages 57-58.

Junior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
General Physics, Phy. 321, 322.....	5(4-2)	5(4-2)	.....
General Science, Sc. 131, 132	5(4-2)	5(4-2)	.....
Economic Entomology, Zool. 131 .....	.....	.....	3(2-2)
P. Ed. 233, 237	3(3-0)	.....	3(3-0)
Chemistry 113, 121 .....	.....	5(3-4)	5(3-4)
Electives .....	.....	.....	.....

Senior Year

Geography, Geog. 240, 241	5(5-0)	5(5-0)	.....
General Bacteriology, Bact. 121 .....	.....	5(3-4)	.....
Geology, Geol. 131 .....	.....	.....	5(4-2)
Electives	10(8-4)	5(3-4)	10(10-0)

COURSES IN BACTERIOLOGY

- 121. General Bacteriology.** This is a course in the preparation of the usual culture media and the study of the morphological characteristics of typical bacteria. A study of the relation of bacteria to health of man, animals, and plants is included. Spring. Credit 5(3-4).
- 122. Agricultural Bacteriology.** This course aims to give the student a knowledge of the biological changes which are produced in both animal and plant products, emphasis being placed on bacterial activities in the soil and dairy products. Prerequisite: 121. Quarter to be arranged. Credit 5(3-4).

Courses For Graduate Study

- 601. Soil Bacteriology.** The bacterial flora of the soil, their activities and influence on fertility and plant nutrition, methods of inoculation and symbiotic relationships; the role of bacteria in the nitrogen and carbon cycles, and influence of soil management practices upon the bacterial flora of the soil. Credit 5(3-4).
- 602. Dairy Bacteriology.** The bacteriology of milk and milk products, and problems of bacterial control in milk production. Credit 5(3-4).

COURSES IN ZOOLOGY

For Undergraduates

- 111. General Zoology.** This course deals with the morphology, physiology, and taxonomy of the essential types of organic life in the animal kingdom. The characteristic differences in the development from protozoa through metazoa is emphasized. Discussion of the various theories advanced in an attempt to explain evolution is carried on. Laboratory work will supplement the lecture and class discussions. Fall. Credit 5(3-4).
- 121. Comparative Anatomy and Physiology.** The lectures on descriptive anatomy will cover the fundamental points from the preparatory point of view and will be illustrated by drawings, plates, models, the skeleton and dissection. Special

consideration will be given to the various phases of anatomy, with stress upon osteology, myology, neurology and splanchnology. One half of the quarter will be devoted to the study of anatomy. The course of physiology comprises demonstrations, lectures, recitation and experimental work. A study of the functions, organs and systems of organs will be duly emphasized. Prerequisite: Zool. 111. Winter. Credit 5(3-4).

123. Embryology. This course takes up the development, principles and processes of embryology using vertebrate embryos. Germ cell origin, and structure, maturation, fertilization, cleavage, differentiation, tissue formation, organogeny. Prerequisite: 111. Spring. Credit 3(2-2).

131. Economic Entomology. This course takes up the identification, life history, habits and methods of controlling insects of economic importance to the farm and home. Laboratory work will cover not only insect structure and identification but will also stress practical methods of insect control. Spring. Credit 5(3-4).

132. Histology. This course will consist of lectures upon normal cell tissues and organs of the body of animals. The laboratory work will consist of demonstrations by the instructor, practical laboratory technique and the microscopic study of normal and abnormal cells and tissues. Winter. Credit 5(2-2).

134. Genetics and Eugenics. This is a basic course in the study of the principles and mechanism of inheritance in plants, animals and man and includes methods of improvement through selective breeding. Credit 3(3-0).

Courses for Graduates and Advanced Undergraduates

501. Vertebrate Embryology. Comparative embryology of the principal groups of vertebrates. Prerequisite: 15 hours of Zoology. Credit 5(3-4).

502. Advanced Genetics. Basic principles of heredity and variation, breeding experiments, animals and plants. Credit 3(1-4).

503, 504. Advanced Histology. A study of animal tissues and their preparation. Credit 3(2-2) each quarter.

- 511, 512. Research in Zoology.** Special problems in the field will be followed through research and experimentation. Prerequisites: 30 hours in Science and 15 hours in Zoology.

Graduate Courses

- 601. Special Problems in Insect Control.** Investigation of practical problems in the control of insects affecting (a) field crops, (b) livestock, (c) garden, and (d) orchard. Credit 5(3-4).

COURSES IN BOTANY

For Undergraduates

- 111. General Botany.** This course is designed for two types of students, Agricultural and General Science. It is intended to give the fundamental facts, functions and principles of plant life. The laboratory includes a study of forms, structures, and methods of reproduction of representatives of the various groups of plants, with some attention to general life processes in higher plants and their relation to scientific agriculture. Any quarter. Credit 5(3-4).
- 121. Plant Physiology.** The plant is considered from the standpoint of activities; absorption, and transportation of raw materials, manufacture, storage of food, growth and movement in response to stimuli. Prerequisite: 111. Spring. Credit 3(2-2).
- 123. Plant Diseases.** This course takes into consideration the most important diseases of the important southern crops. It is designed to give an understanding of the symptoms, the casual organism, and control measures. Prerequisites: 111, 121. Fall. Credit 3(2-2).
- 124. Plant Ecology.** Lectures on the vegetation of North Carolina with special reference to the plant association of the State. Field work in adjoining vicinity of Greensboro and surroundings will constitute the laboratory Saturday trips whenever necessary. Prerequisite: 111. Quarter to be arranged. Credit 3(2-2).
- 125. Principles of Forestry.** Relation of Forestry to Agriculture; need for Forestry as demonstrated by economic and

social Forestry. Timber utilization, forest influences on climate, and erosion. Designed for students of Agriculture and General Science. Others may select. Trips will be made to farm woodlots. Spring. Credit 3(3-0).

Courses for Graduates and Advanced Undergraduates

- 501. Advanced Plant Pathology.** A study of pathological problems of plants and techniques of investigation. Prerequisite: 15 hours Botany. Credit 3(2-2) each quarter.
- 511, 512. Advanced Plant Physiology.** A critical analysis of important phases of plant physiology; review of literature in the field. Credit 3(2-2) each quarter.
- 521. Advanced Bacteriology.** Study and practice in techniques employed in analyzing bacteria found in milk and water. Credit 3(2-2).
- 531. Research in Botany.** Research and experimentation in certain problems in the field. Prerequisite: 30 hours in the field. Credit 3(2-2).

COURSES IN GENERAL SCIENCE

- 131. The Physical World.** This course is concerned with a survey of the whole field of science. It begins with a study of the universe as a background for understanding earth, and physical sciences and man's relationship with them, and closes with a consideration of those forces that have had greatest influence on human development. Summer or Fall. Credit 5(4-2).
- 132. The Biological and Chemical World.** This course is a continuation of General Science 131 and is especially concerned with (1) man and his relationship to the Biological and Chemical world, (2) how plant and animal life, and (3) how science and inventions have affected civilization. These courses are considered as a unit and both must be completed in order to receive credit. Summer or Winter. Credit 5(4-2).

DEPARTMENT OF BUSINESS ADMINISTRATION AND COMMERCIAL EDUCATION

During the first two years the student is expected to lay a broad foundation for later specialization. To secure this end the courses in the freshman and sophomore years have been so selected and grouped as to cover all the major fields of knowledge.

CURRICULA

Required Courses for Freshmen and Sophomores

	<i>Hours</i>
Eng. 211, 212, 213	15
Eng. Elective	5
Math. 311, 312, 315	15
Music	
or	
Art 327, 328, 329, 337, 338, 339	6
M. S. 211, 212, 213, 221, 222, 223	
or	
Physical Education	6
Orientation, Ed. 211, 212, 213	3
Chem. 111, 112	10
Biological Sc. or Physics	10
History 213, 221 or 222	10
Sec. Sc. 317, 318, 319	7.5
Additional Courses in Sec. Sc., Math., Social Sc. or Eng...	15
Com. Ed. Majors must take Sec. Sc. 314, 315, 316.....	
	102.5

BUSINESS ADMINISTRATION

The following is suggested for those desiring to complete a major in the field of business administration.

This major is recommended for those planning to enter one of the practical fields of trade or industry as administrators.

MAJOR IN BUSINESS ADMINISTRATION

	Junior Year			
		<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Business Management, B. A. 351	5(5-0)	.....	.....	.....
Principles of Retailing, B. A. 346.....	5(5-0)	.....	.....	.....
Bookkeeping & Accounting, B. A. 332, 333	5(5-0)	.....	5(5-0)	5(5-0)
Principles of Economics, Econ. 231.....	5(5-0)	.....	.....	.....
Economic Problems, Econ. 232.....	.....	.....	5(5-0)	.....
Money and Banking, Econ. 233.....	.....	.....	.....	5(5-0)
Electives	2 Hrs.	.....	7 Hrs.	7 Hrs.
	17	17	17	17

Senior Year

Office Management, B. A. 352.....	5(5-0)	.....
Personnel Administration, B. A. 353.....	5(5-0)	.....
Commercial Law, B. A. 335.....	5(5-0)	.....
Principles of Real Estate, B. A. 357.....	5(5-0)	.....
Insurance, B. A. 356	5(5-0)	.....
Principles of Salesmanship, B. A. 337.....	5(5-0)	.....
Labor Problems, Ec. 234.....	5(5-0)	.....
Electives	7 Hrs.	2 Hrs.
	<hr/>	<hr/>
	17	17

Suggested Electives

Ec. 254.
Sociology, Soc. 231, 232, 233.
Math. 318.

COMMERCIAL EDUCATION

The following is suggested for those desiring to complete a major in the field of Commercial Education.

This major is recommended for those planning to enter one of the practical fields of teaching in high schools.

MAJOR IN COMMERCIAL EDUCATION**Junior Year**

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Business Management 351	5(5-0)	.....	.....
Principles of Retailing, B. A. 346.....	5(5-0)	.....	.....
Bookkeeping and Accounting, B. A. 332, 333 .....	.....	5(5-0)	5(5-0)
Principles of Economics, Econ. 231.....	5(5-0)	.....	.....
Economic Problems, Econ. 232.....	.....	5(5-0)	.....
Money and Banking, Econ. 233.....	.....	.....	5(5-0)
Principles of Secondary Education, Ed. 237, or 238	3(3-0)	.....	.....
Educational Psychology, Ed. 231.....	.....	.....	5(5-0)
Electives .....	.....	6 Hrs.	3 Hrs.
	<hr/>	<hr/>	<hr/>
	18	16	18

Senior Year

Personnel Administration, B. A. 353.....	.....	5(5-0)
Commercial Law, B. A. 335.....	5(5-0)	.....
Secretarial Studies, Sec. Sc. 323.....	6(2-8)	.....
Advanced Stenography, Sec. Sc. 322.....	.....	5(5-0)
Office Training, Sec. Sc. 321a, 321b.....	2(2-0)	6(0-13)
Problems of Commercial Teacher, Ed. 250	5(5-0)	.....
Observation and Practice Teaching, Ed. 251 .....	.....	5(1-8)
Office Management, B.A. 352.....	5(5-0)	.....
Electives	5 Hrs.	3 Hrs.
Office Appliances, See Sc. 324.....	.....	1.5(0-3)
	<hr/>	<hr/>
	18	17.5

Suggested Electives

Math. 318.
 Ed. 243, 236, 341.
 Ec. 234, 254.
 B. A. 337, 356, 357.

Suggested Minor in Commercial Education

Sec. Sc. 314, 315, 323.....	16 hrs.
Sec. Sc. 317, 318, 319.....	7.5 hrs.
B. A. 332, 339	10 hrs.
Total.....	33.5 hrs.

COURSES IN BUSINESS ADMINISTRATION AND COMMERCIAL EDUCATION

332. Bookkeeping and Accounting. This course is specially designed to serve as an introduction to the fundamental principles of bookkeeping and accounting for students in the Agricultural and Technical Departments as well as for those in the Department of Economics and Business Administration. In this course a thorough study is made of the theory of accounts, principles of debit and credit, special journals and ledger operations, adjustments, financial statements and the handling of different classes of commercial paper.

B. A. 333. Accounting. This course presents the underlying principles of accounting as it is practiced in the business world. It deals chiefly with corporation accounting and accounting systems. This is followed by a discussion of the principles underlying accounting valuation and interpretation. The uses to which accounting data are to be put are emphasized at every step. Prerequisite: B. A. 232. Spring. Credit 5(5-0).

B. A. 335. Commercial Law. Sales of personal property, bailments, common carriers, agency, master and servant, partnership, contracts, corporation, insurance, landlord and tenant, etc. Fall. Credit 5(5-0).

B. A. 337. Principles of Salesmanship. This course is based upon actual experience of men successful in the field of salesmanship. It develops the subject from sound economics, philosophical and psychological points of view. Economics.

of salesmanship are presented so that the student may see where the work performed is justifiable and necessary in the economic regime. The course includes psychology so that the student may more readily adjust himself to actual sales conditions and learn why some men and ideas succeed while others fail. Winter. Credit 5(5-0).

B. A. 339. Business Correspondence. This course makes a thorough and practical analysis of all forms of business letters and gives constructive information on how to write letters that convince, whether they be sales letters, follow-up letters, form letters, complaint, collection and application letters. This course is required of all students in Business Administration and Secretarial Science. Prerequisites: Eng. 211, 212. Credit 5(5-0).

B. A. 346. Principles of Retailing. This course aims to cover the high points in the retail process of marketing as it is applied especially to the small independent store. Modern grocery and other smaller stores will be used as examples. Detailed studies will be made of store management, finance and control, and marketing. Fall. Credit 5(5-0).

351. Business Management. Management covers the fundamentals of industrial organization and operation and helps the student to gain that basic knowledge of business which should be part of the equipment of every businessman. Fall. Credit 5(5-0).

B. A. 352. Office Management. This course covers the principles and methods employed in departmental and centralized offices. Special attention is given to office layout, office system, equipment, selecting workers and general office services. Winter. Credit 5(5-0).

353. Personnel Administration. This is a comprehensive course dealing with the principles and practices in the administration of employees of commercial and industrial establishments. The course is very practical, giving the student a view of personnel as the businessman sees it. Spring. Credit 5(5-0).

B. A. 356. Insurance. This course is a survey in a general way of the whole field of insurance. It deals with the nature and statistical basis of different kinds of insurance as: Property insurance, straight life, endowment, accident, industrial, old age, fire, livestock, etc. The function of publicity and the needs for educating the public in the principles and services of insurance receives much attention. Spring. Credit 5(5-0).

B. A. 357. Principles of Real Estate. This course deals with the problems of real estate as follows: Real estate as a profession, classes of property—suburban, apartment, industrial, farm and resort—rentals, leasing, the work of the broker, property management and financing. Winter. Credit 5(5-0).

DEPARTMENT OF CHEMISTRY

Prospective majors in chemistry should consult the instructors in the department early in their college career so that their major work may be properly planned.

At least ten quarter hours of General Chemistry are required for graduation in the Arts and Sciences of all who do not take ten hours in general physics.

The following is suggested as a major for those interested in graduate study, research, industry, government service or teaching.

Note: Courses for freshmen and sophomores may be found on pages 56-57.

MAJOR IN CHEMISTRY

Junior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Organic Chemistry, Chem. 121, 122, 123..	5(3-4)	5(3-4)	5(3-4)
Qualitative Analysis, Chem. 131.....	5(2-6)	.....	.....
Electives			

Senior Year

Physical Chemistry, Chem. 141, 142.....	5(5-0)	5(5-0)	.....
Quantitative Analysis, Chem, 132, 133....	5(2-6)	5(2-6)	.....
Electives			

COURSES IN CHEMISTRY

For Undergraduates

111. General Chemistry. This is the first quarter of a course covering the fundamental principles of Chemistry in which

are considered the general properties of matter, chemical and physical changes, the fundamental laws governing these changes, and a study of the important gaseous elements and simple compounds from the point of view of the atomic and molecular theory. Credit 5(3-4).

- 112. General Chemistry.** A continuation of Chem. 111. It covers the properties, reactions, and uses of the more important non-metallic elements, atomic structure, and a study of electrolytes. Credit 5(3-4).
- 113. General Chemistry.** This is the third quarter of the complete course in General Chemistry. It consists of a detailed study of the metals, including their metallurgy, properties, reactions, and uses. The laboratory work emphasizes the behavior of the metallic ions in solutions and their arrangement in the qualitative groups. Ionic equilibria and oxidation and reduction are considered in detail. Credit 5(3-4).
- 114, 115, 116. General Chemistry.** These are courses in General Chemistry designed especially for students in the Department of Home Economics and the School of Agriculture, and should be taken by them in successive quarters of their freshman year. The courses cover the fundamental principles of chemistry; particular attention will be directed toward those topics which are of interest and value to students in home economics and agriculture. Chem. 114. Fall and Winter. Credit 5(3-4). Chem. 115: Winter and Spring. Credit 5(3-4). Chem. 116: Spring and Fall. Credit 5(3-4).
- 121. Organic Chemistry.** A course dealing with the chemistry of the carbon compounds. Special emphasis is laid upon the relationship existing between the various groups, and upon methods of organic synthesis. Prerequisites: 111, 112, 113. Fall. Credit 5(3-4).
- 122. Organic Chemistry.** A continuation of Chemistry 121, covering such compounds as the ring structure or aromatic compounds. Lectures and laboratory. Prerequisite: Chem. 121. Winter. Credit 5(3-4).

- 123. Advanced Organic Chemistry.** Lectures and laboratory on the applications and limitations of organic reactions, with special reference to synthesis. Prerequisites: Chem. 121, 122. Fall and Spring. Credit 5(3-4).
- 131. Qualitative Analysis.** This course is an intensive course dealing with the fundamental principles of analysis. It develops the power for the student to form decisions based upon experimental results. Preliminary experiments are introduced to illustrate chemical principles and to give practice in equation writing. The students are required to analyze unknown products, slags, and alloys. Prerequisites: Chem. 111, 112, and 113. Fall and Spring. Credit 5(2-6).
- 132. Quantitative Analysis.** A course dealing with volumetric methods of analysis. Special emphasis is laid upon the physico-chemical principles upon which the success of the determination depends. Prerequisite: Chem. 131. Fall and Winter. Credit 5(2-6).
- 133. Quantitative Analysis.** A continuation of Chemistry 132, dealing with gravimetric methods of analysis. Lectures and laboratory. Prerequisite: Chem. 131. Winter. Credit 5(2-6).
- 141. Physical Chemistry.** A study of the atomic, molecular and ionic theories, and the properties of substances directly related to these theories. Requirements: Physics 323, Mathematics 321, Chem. 113. Fall. Credit 5(5-0).
- 142. Physical Chemistry.** A study of the rate and equilibrium of chemical changes from mass-action and phase viewpoints. Requirement: Chemistry 141. Winter. Credit 5(5-0).

Graduate Courses

- 601. Problems in Organic Chemistry.** The important principles of organic chemistry are emphasized from a more mature point of view. Credit 5(3-4).

DEPARTMENT OF COMMERCIAL INDUSTRIES

This course is designed to meet the needs of students who desire to gain practical experience and knowledge of the subject-matter as well as the technical training required for effective service in such vocations as auto mechanics, plumbing, tailoring, carpentry, building construction, etc.

The Trade Teachers Training Program consists of specialized training in a chosen trade together with necessary professional courses for State Certificate as well as the requirement for a Bachelor of Science degree.

These fields of specialization will pursue the following curriculum.

CURRICULUM

Freshman Year

See First Year's Curriculum of Mechanic Arts

Sophomore Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
**Industrial Lab., C. I. 321, 322, 323.....	6-8 hrs.	6-8 hrs.	6-8 hrs.
Physics, 321, 322, 323.....	5(4-2)	5(4-2)	5(4-2)
Military Science, M. S. 221, 222, 223.....	2(0-4)	2(0-4)	2(0-4)
Mech. Drawing, M. E. 323, 324, 325.....	3(0-6)	3(0-6)	3(0-6)
Machine Shop Practice, M. E. 348, 349.....	2(0-4)	2(0-4)	.....
Surveying, Math. 324 .....	.....	.....	2(0-4)
Materials of Construction, I. A. 324.....	3(3-0)	.....	.....

Junior Year

**Industrial Lab., C. I. 331, 332, 333.....	4-6 hrs.	4-6 hrs.	4-6 hrs.
Freehand Drawing, Art 311, 312, 313.....	3(0-6)	3(0-6)	3(0-6)
Applied Math., C. I. 335, 336, 337.....	3(3-0)	3(3-0)	3(3-0)
Heating and Ventilating, M. E. 334, 335.....	.....	3(3-0)	3(3-0)
Business Correspondence, B. A. 339.....	5(5-0)	.....	.....
Public Speaking, Eng. 224 .....	.....	3(3-0)	.....
Electric Wiring, I. A. 350.....	.....	.....	2(0-4)

Senior Year

**Industrial Lab., C. I. 341, 342, 343.....	4-6 hrs.	4-6 hrs.	4-6 hrs.
Principles of Sociology, Soc. 231.....	5(5-0)	.....	.....
Estimating, C. I. 344.....	.....	5(5-0)	.....
Economics, 231, 234	5(5-0)	.....	5(5-0)
Mat., Equip., and Shop Management, I. A. 347 .....	.....	3(3-0)	.....
Working Drawings, A. E. 334, 335, 336.....	3(1-4)	3(1-4)	3(1-4)
Electives .....	.....	3 hrs.	5 hrs.

** Students must elect a shop in the field of their major interest. One quarter of the number of hours prescribed may be electives. Three hours must be spent in the shop for each hour of credit obtained.

COURSES IN COMMERCIAL INDUSTRIES

The student must decide at the beginning of the second year the field of his major interest and choose the industrial laboratory course suitable to that field. This is designated by the letter immediately following the course number; that is, C. I. 321-A indicates that a student is taking his major work in the field of auto mechanics.

C. I. 321, 322, 323, 331, 332, 333, 341, 342, 343. Industrial Laboratory. This course consists of a very intensive study of the industrial principles and actual application of the respective fields. The laboratory courses may be chosen in auto mechanics, woodworking, tailoring, shoe repairing and leather work or other industrial fields.

The hours may vary with the individual depending upon the experience and ability. The total credit hours should vary from 55 to 65 hours.

C. I. 335, 336. Applied Math. This course consists of application of mathematics to practical problems that may arise in the field and shop. It helps the student to apply their mathematics to everyday problems. Credit 3(3-0).

C. I. 344. Estimating. Estimating as applied to the respective fields of interest. Practical problems in taking of quantities and estimating. Individual problems in the respective fields. Credit 5(5-0).

C. I. 346. Principles of Foremanship. Shows the place of the foreman in industry, his relationship between worker and manager, and the more recent principles and practices for developing better foremen. Credit 3(3-0).

DEPARTMENT OF EDUCATION

For Undergraduates

211. Orientation. This course is designed to give the student an insight into college life. The course consists of lectures and discussions relating to the problems of the college student. Suggestions are given as to methods of studying, note tak-

ing, extracurricular activities, use of the library, choosing courses of study to meet the requirements of various vocations, etc. Any quarter. Credit 1(1-0).

212. Occupations. This course aims to help the individual student find his place in the world of occupations. An effort is made to broaden the student's outlook before he becomes a part of the occupational world. A study is made of the various industries and occupations; Government service, commercial occupations, earth occupations—agriculture, mining, etc.; transportation; banking, etc. The professions—law, medicine, teaching, social service, engineering, etc. Personal service and professions for entertainment, dress-making, tailoring, musicians, artists, actors, etc. Special attention is given to the personal qualifications and opportunities for the various occupations. Any quarter. Credit 1(-0).

Ed. 213. Personal Hygiene. This course attempts to acquaint the student with fundamental knowledge concerning the care of the body. It also aims to have the student appreciate the importance of a healthy, well-functioning body. Any quarter. Credit 1(1-0).

221. General Psychology. An introduction to psychological terms, principles and facts. What psychology is and does. A study of reactions and tendencies to reaction; native and acquired traits, instincts, emotions, feelings, sensations. This course will not be counted as an elective to meet the specific requirements in education for a high school teacher's certificate. Fall. Credit 5(5-0).

224. Educational Theories. An examination of some of the underlying concepts upon which our training, and social, civic, economic and moral education are based. Winter. Credit 5(5-0).

231. Educational Psychology. This course is devoted to a study of native and acquired traits and capacities of children; the learning process; individual differences; general laws and conditions of learning; and the results of investigations

relative to the progress of learning in the school subjects. Prerequisite: Education 221 or Junior standing. Spring and Summer. Credit 5(5-0).

233. Introduction to Guidance. This course emphasizes the history and principles underlying guidance and surveys the problems and areas in which guidance is needed. Methods of counseling and techniques of gathering pertinent personnel data will be presented. Credit 5(5-0).

236. Tests and Measurements. Principles of testing; aims and objectives; achievement tests; mentality tests; aptitude tests; teachers' marks; methods of content examination; use of tests. Spring. Credit 5(5-0).

327. Principles of Secondary Education. The scope and function of the high school and its relation to the elementary school and college; the high school pupil; high school curriculum; high school teacher; guidance; teaching loads; professional ethics; extracurricular activities. Required of all who plan to teach. Fall and Summer. Credit 3(3-0).

238. Problems in Secondary Education. The course is a continuation of Education 237. Winter and Summer. Credit 3(3-0).

243. Teaching of English. This course is a study of the special problems which confront the teacher of English in the high school. Open only to seniors. Required of those planning to teach English. Prerequisites: Thirty hours of English, Education 231 and 237 or 238. Fall and Winter. Credit 5(5-0).

245. The Teaching of History. A course dealing with a study of the methods of teaching history in high schools. Special attention will be given to such problems as the organization of material, classroom equipment, etc. Open to seniors. Required of those planning to teach the subject. Prerequisites: Thirty hours of Social Studies; Ed. 231 and 237 or 238. Fall and Winter. Credit 5(5-0).

246. The Teaching of Mathematics. A course which deals with the evaluation of subject matter, modes, methods, and objectives in the teaching of mathematics in the junior and

senior high school. Required of those planning to teach the subject. Prerequisite: 20 hours of Mathematics; Ed. 231, 237 or 238. Fall and Winter. Credit 5(5-0).

247. The Teaching of French. This course is devoted to a study of the problems and difficulties experienced in teaching Foreign Languages. Special attention is given to the matter of classroom aids, equipment, etc. Required of those students planning to teach Language. Prerequisite: 30 hours of French; Ed. 231 and 237 or 238. Fall and Winter. Credit 5(5-0).

248. The Teaching of Art. A study of the aims and objectives, methods and techniques of art teaching in the modern school. Special attention is given to planning courses of study, presentation, selection of equipment, reference and illustrative material and correlation—considerable emphasis placed on blackboard drawings. Required of those wishing to qualify as art teachers. Prerequisite: 45 hours of Art; Ed. 231, 237 and 238. Fall and Winter. Credit 5(5-0).

249. The Teaching of Science. A study of the present methods of teaching such courses as Physics and Chemistry and General Science in the high school. Special attention will be given to the equipment or laboratory, etc. Required of those planning to teach in the field. Prerequisites: 30 hours of Science; Ed. 231 and 237 or 238. Fall and Winter. Credit 5(5-0).

250. The Teaching of Commercial Subjects. Organization, preparation and care of materials, followed by an analysis of the methods of procedure, standards and objectives of the teacher of commercial subjects in high school. Students may be admitted to this course only upon the recommendation of the head of the Department of Commercial Education. Fall and Winter. Credit 5(5-0).

251. Observation and Practice Teaching. All students planning to teach are required to spend at least thirty hours in practice teaching in the type of school in which they plan to work. Students should schedule this course only after consultation with the Director of Practice Teaching. In no

instance will a student be permitted to carry more than thirteen hours (including Education 251) during the quarter this course is scheduled. Prerequisite: Methods of Teaching. Fall, Winter, Spring. Credit 5(1-8).

Education 252A. Methods of Teaching Home Economics. This course deals with the aims of education, and the place of home economics in general education, development of a philosophy, methods of teaching, means of evaluating learnings.—Consideration will be given to aid in personality development of the teacher, and other problems of the home economics teacher. Opportunity will be provided for observation in various schools. Prerequisites: Education 231 and 237. Credit 2½(3-0).

Education 252B. Organization of Home Economics Courses in Schools. The course considers the organization of General Home Economics from elementary through high school. Emphasis is placed upon the State Vocational Home Economics program, its organization, administration, policies and methods. Prerequisite: Education 252A. Credit 2½(3-0).

Education 253. Observation and Directed Teaching. The course is planned to guide students in selecting, evaluating, and using materials and methods in actual teaching situations. Problems growing out of student teaching experiences will be analyzed and used as basis for individual and group conference. Participation in home projects, adult and Home Economics Club program will be encouraged. 30 hours of observation, 60 hours teaching required. Prerequisites: Education 252A-252B. Credit hours 5.

Education 170. Fundamentals in Vocational Agricultural Education. This course deals with the following topics: The Acts dealing with vocational agriculture, motivation, directed study, lesson planning, making teaching calendar, building a course in vocational agriculture, setting up a philosophy for each type of instruction, making plans for a successful N. F. A. Chapter and measuring the results of instruction and guidance. Prerequisites: Ed. 237, 238, 231. Winter. Credit 3(3-0).

Education 171, 172, 173. Materials and Methods of Teaching Vocational Agriculture. The following topics are considered: Vocational Acts, the agricultural curriculum, seasonable sequence of topics, lesson plans, laboratory work, classroom and other equipment, supervised farm practice, organizing and conducting the following types of classes: Day-Unit, All-Day, Part-Time, and Evening, all of which will be based on farm and community needs found through surveys. Prerequisites: Ed. 237, 238, 231, 270. Fall, Winter, and Spring. Credit 2(1-2); 2(1-2); 2(1-2).

Education 174, 175, 176. Observation and Directed Practice Teaching in Vocational Agriculture. These courses are to be taken simultaneously with Education 171, 172, and 173. Students are assigned to training centers where directed teaching will be carried on during the school year. Trainees will be assigned in groups of two or three to carry on this work. The trainees must submit all materials to some members of the Teacher Training Staff before using the same. Prerequisites: Ed. 237, 238, 231, 170. Fall, Winter, and Spring. Credit 2(2-0); 2(1-2); 2(2-0).

NOTE: Any trainee whose work does not measure up may be asked to spend an extra summer or an extra quarter during the regular school year.

178. Extension Service. A study of the developments of the Agricultural Extension Service in the United States, with special reference to the status of this service among the Negroes in the Southern States; also a study of the rules, regulations and special methods relative to this work in North Carolina. Prerequisite: All work below senior year. Fall. Credit 5(5-0).

179. Practice in Extension Service. This course follows Education 278 and gives the trainee an opportunity to practice some of the special methods considered in the previous course. Prerequisite: 178. Winter. Credit 5(0-10).

180. Extension Problems. This course deals with special problems in extension. Prerequisite: 179. Winter. Credit 3(0-6).

- 331. Vocational Education.** The problems of vocations are considered from the standpoint of the basic principles of psychology and the laws of learning, the principles of economics and sociology, and the principles and practices of sound school administration. Winter. Credit 3(3-0).
- 332. Trade Analysis.** This course gives the students a knowledge of organizing trades and industrial arts courses. Emphasis is put on the selection of a line of useful and practical projects and the grouping of these projects in the order of their learning difficulties. Spring. Credit 3(3-0).
- 341. Vocational Guidance.** The problem of vocational guidance, its beginning, organization and administration in high schools. Special attention will be given to guidance in the Junior and Senior high school as it relates to the work of Industrial Arts. Fall. Credit 3(3-0).
- 342. Occupational and Educational Opportunities.** Winter Credit 3(3-0).
- 343. Methods of Teaching Shop and Related Subjects.** Fundamental factors in teaching, agencies of education, classroom management, selection of problems and projects, job sheets and lesson plans. Winter. Credit 5(5-0).
- 344. Observation and Practice Teaching in Trade and Industrial Arts Education.** Practical experience in conducting unit trade and industrial arts programs will be afforded. Spring. Credit 5(5-0).

COURSES IN AGRICULTURAL EDUCATION

SUGGESTED GRADUATE MAJOR IN AGRICULTURAL EDUCATION

Agricultural Ed. 501. Evening School and Part-Time Work	Credits 3(3-0)
Agricultural Ed. 502. Problem Teaching in Vocational Ag.	Credits 3(3-0)
Agricultural Ed. 504. The Principles of Agricultural Ed.	Credits 3(3-0)
Agricultural Ed. 505. Guidance and Group Instruction	Credits 3(3-0)
Agricultural Ed. 601. Administration and Supervision	Credits 3(3-0)

Agricultural Ed. 602. Curriculum Construction in Vocational Agriculture	Credits 3(3-0)
Agricultural Ed. 604. Community Problems in Agriculture	Credits 3(3-0)
Agricultural Ed. 605. Problems in Educational Psychology	Credits 3(3-0)
Industrial Ed. 521. Philosophy of Vocational Education	Credits 3(3-0)
Agricultural Ed. 606. Research in Education.....	Credits 3(3-0)
(Thesis 5-10 hours)	

Major 30 hours, minor 15 hours. A split minor may be taken making a major and minor 45 hours.

For Graduates and Advanced Undergraduates

501. Evening School and Part-Time Work. This course deals with the principles and problems of setting up and directing adult groups and out-of-school groups; collecting and arranging materials for evening class instruction shall be given considerable space in the course. Credit 3(3-0).

502. Problem Teaching in Vocational Agriculture. This course shall consist of setting up problems for teaching unit courses in Vocational Agriculture. Credit 3(3-0).

503. The New Farmers of America. This course shall consist of a study of the practice and policies of setting up local, district and state organizations. Special space shall be given to training the officers and members to perform. Credit 3(3-0).

504. The Principles of Agricultural Education. Consideration of the Principles and Practices in Agricultural Education in keeping with the research and present trends. Credit 3(3-0).

505. Guidance and Group Instructions. Group instructions applied to Vocational Agriculture study of the agricultural occupations, guidance and counseling with special reference to pupils in Vocational Agriculture. Credit 3(3-0).

For Graduates Only

601. Administration and Supervision. Administrative and supervisory problems of Vocational Agriculture. This course consists of a study in the practices and policies of local, State and Federal problems dealing with administration and supervision of Vocational Agriculture. Credit 3(3-0).

602. Curriculum Construction in Vocational Agriculture.

Building Unit Courses in Vocational Agriculture and selecting subject matter to use with the course along with the common problem evaluating the content of the course. Credit 3(3-0).

603. History of Vocational Agriculture. A brief review of Vocational Education in Europe and America. Special space to be given to the Vocational Agriculture as it developed in the United States. Credit 3(3-0).**604. Community Problems in Agriculture.** This course shall consist of finding the common problems of the community that relate to Agriculture and developing desirable solutions for said problems. Credit 3(3-0).**605. Problems in Educational Psychology (Advanced Course).**

The nature, courses and measurement of individual differences in relation to problems of education. The principles of learning, motivation and conditions of educational improvement. The application of psychology principles to mental and educational measurements. Credit 3(3-0).

Ed. 606. Research in Education. The student will make a study of one or more research problems under the supervision of some member of the Staff of the Vocational Education Division. Credit 3(3-0).**Ed. 607. Agricultural Educational Seminar.** A critical review of current articles and books of interest to students of Agricultural Education. Credit 3(3-0).**608. Seminar in the History and Philosophy of Education.** An extensive study will be made of the history and philosophy of the following types of education: agricultural, industrial, commercial, technical, and special education, with special reference to the present status of and the current problems within these fields. Spring. Credit 3(3-0).**COURSES IN INDUSTRIAL EDUCATION****For Graduates and Advanced Undergraduates**

Graduate work in industrial education aims to aid the promotion of industry by providing advanced technical training

for those who plan to follow industrial careers and for teachers of industrial arts or vocational industrial education. The department offers instruction for the following types of students: (1) those in the field who desire advanced training as teachers or supervisors of unit and general industrial arts shops in junior and senior high schools; and in schools of the smaller communities; (2) experienced tradesmen with the necessary teaching requirements who desire additional training in the development and conduct of programs of industrial education, especially those established under the Smith-Hughes Act; (3) teachers of related or cognate subjects who feel the need in these related fields; (4) others who desire further training in these fields.

521. Philosophy of Vocational Education. The place and need of vocational education in a democracy with special attention to the evolution of the philosophy of vocational education as a phase of the general education program. Credit 3 hours.

523. Current Problems in Industrial Arts and Vocational Education. Problems involving analysis of objectives, content, types of equipment, and outcomes together with constructive suggestions for improving current practices. Credit 3 hours.

542. Laboratory Planning for Industrial Arts. Analysis of problems and standards involved in planning rooms and practice in the selection, design, location, installation, and care of equipment in various high school industrial arts laboratories or vocational shops. Credit 3 hours.

525. Supervision and Administration of Vocational Education. This course concerns itself with such topics as the selection and organization of curriculum materials, the development and preparation of shop budgets, the establishing and equipping of shops, and the selection and employment of teachers. Credit 3 hours.

526. Vocational Guidance. Perfecting a guidance course for rural boys with special emphasis on counselling. Credit 3 hours.

- 527. Diagnostic Techniques in Vocational Guidance.** Detailed study and analysis of the various personnel procedures and techniques used in counselling. Credit 3 hours.
- 529. Visual Aids in Education.** Designed to give the students practical experience in the use of general techniques in teaching with the visual materials. Practice in the operation and maintenance of projection equipment is provided. Credit 3 hours.
- 531. Production Methods in Machine Woodworking.** An analysis of production methods in machine woodworking in which jobs are selected and the class personnel so organized that the work follows the most economical methods of production. Credit 3 hours.
- 532. Seminar in Industrial Education.** A consideration of scientific method with particular reference to thesis writing. Credit 3 hours.
- 533. Seminar in Vocational Education.** Investigations and discussions for advanced and mature persons, who have had experience as teachers, supervisors, or administrators in one or more phases of vocational education. Credit 3 hours.
- 534. Time and Motion Study.** Techniques of time and motion study for purposes of developing efficiency. Credit 3 hours.
- 535. Industrial Psychology.** Application of principles of psychology to problems of industrial organization, management, and efficiency. Credit 3 hours.
- 536. Techniques and Methods of Research.** Research problems. Credit 3 hours.

DEPARTMENT OF ELECTRICAL ENGINEERING

CURRICULUM

Freshman Year

See first year's curricula of Mechanic Arts

Sophomore Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Physics 321, 322, 323	5(3-4)	5(3-4)	5(3-4)
Mathematics 321, 322, 323	5(5-0)	5(5-0)	5(5-0)
Military Science 221, 222, 223	2(0-4)	2(0-4)	2(0-4)
Machine Shop Practice 348, 349	2(0-4)	2(0-4)	.....
Mechanical Drawing 323, 324, 325	3(0-6)	3(0-6)	3(0-6)
Contract Specifications, M. E. 327 .....	.....	.....	3(3-0)
Mechanism, M. E. 321	3(3-0)	.....	.....
Electives .....	.....	3	2

Junior Year Electrical Engineering

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Mechanics, M. E. 331, 332, 333	5(5-0)	5(5-0)	5(5-0)
Electrical Engineering 331, 332, 333	5(3-4)	5(3-4)	5(3-4)
Electrical Engineering 334, 335	5(3-4)	5(3-4)	.....
Heat Power Engineering, M. E. 336 .....	.....	.....	5(5-0)
Economics, Ec. 231	5(5-0)	.....	.....
Electives .....	.....	3	3
	20	18	18

Senior Year Electrical Engineering

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Electrical Engineering 346, 347, 348	5(3-4)	5(3-4)	5(3-4)
Electrical Engineering 350	3(3-0)	.....	.....
Electrical Engineering 354 .....	.....	5(3-4)	.....
Electrical Engineering 355, 356	3(3-0)	3(3-0)	.....
Hydraulics, M. E. 337	3(3-0)	.....	.....
Electives	3	5	10
	17	18	15

Suggested Electives

Electrical Engineering 353, 357, 358, 351.
 Differential Equations, Math. 331.
 Education (Professional Certificate Requirements).
 Estimating, C. I. 344.

COURSES IN ELECTRICAL ENGINEERING

331. Direct Current Apparatus. A study of direct current principles, and of the theory, construction and operation of generators, motors and measuring instruments. Fall. Credit 5(3-4).

332. Continuation of 331. Winter. Credit 5(3-4).

333. Alternating Current Circuits. A study of resistance, inductance, capacitance, reactance, impedance, series and parallel circuits, power, power factor, polyphase systems, complex notation, symmetrical components, motors and generators. Spring. Credit 5(3-4).

334, 335. Electrical Measurements. Study of Instruments and Measuring Apparatus. Fall and Winter. Credit 5(3-4).

346. Communication. Telephony and telegraphy; filters, inductive interference, bridge circuits, theory of propagation of waves over long circuits. Fall. Credit 5(3-4).

347. Communication. Automatic telephony; coupled circuits, impedance networks, use of vacuum tube as oscillators, amplifiers and detectors at medium and high frequencies. Winter. Credit 5(3-4).

348. Communication. Continuance of 347, with practical applications. Spring. Credit 5(3-4).

350. Industrial Motor Control. A study of manual and automatic control with a detail investigation of associated apparatus and wiring diagrams. Winter. Credit 3(3-0).

351. Power Transmission. A study of power distribution, wiring for lighting and substation feeder systems. Spring. Credit 3(3-0).

352. Storage Batteries. A study of the operating characteristics and engineering applications of secondary cells. Winter. Credit 3(3-0).

353. Electric Railways. Operating characteristics and principles of electric railways. Spring. Credit 3(3-0).

354. Radio Circuits. A study of receiving and transmitting and receiving apparatus, and their practical applications. Winter. Credit 5(3-4).

355. Alternating Current Apparatus. Theory of transformers, induction motors, and associated apparatus. Fall. Credit 3(3-0).

356. Alternating Current Apparatus. Continuation of 355. Winter. Credit 3(3-0).

357, 358. Radio Servicing. Modern radio receiver servicing, use of modern servicing equipment, sales and business practice. Sound and motion picture systems. Winter and Spring. Credit 5(3-4).

DEPARTMENT OF ENGLISH LANGUAGE AND LITERATURE

All freshmen are required to take a placement test in English. Those failing this test must register for the course Remedial English (Eng. 210).

A minimum of twenty quarter hours of English is required for graduation from all departments. All students of all departments must take Eng. 211, Eng. 212, and Eng. 213.

Below are listed combinations suggested as possible English majors for those interested in the general field of English or in certain phases of English, as public speaking, dramatics or literature.

An English major is recommended for persons interested in law, medicine, the ministry, writing, research or teaching.

All English majors and minors are required to have an average of "B" in freshman English and to pass a Comprehensive Examination in the field of English at the end of the Fall Quarter of the senior year. Those failing this examination will be required to register in English 245.

MAJORS IN ENGLISH

Junior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Journalism, Eng. 231	3(3-0)	.....	.....
Public Speaking, Eng. 224			
or			
Debating, Eng. 236			
or			
Dramatic Interpretation, Eng. 227 .....		.....	3(3-0)
Industrial Authors, Eng. 235, 234, 238.....	3(3-0)	5(5-0)	3(3-0)
Survey Courses, Eng. 220, 221 or 222, 223	5(5-0)	.....	.....
Negro Literature, Eng. 215 .....		.....	3(3-0)
*Electives	.....	.....	.....

* Those planning to teach elect education. Others may elect from agriculture, home economics, or mechanics.

Senior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Advanced Composition, Eng. 244 .....	.....	.....	3(3-0)
English Literature, Eng. 241, 242, 243.....	3(3-0)	3(3-0)	3(3-0)
English History, Hist. 226 .....	.....	.....	5(5-0)
Electives	.....	.....	.....

COURSES IN ENGLISH**GRAMMAR AND COMPOSITION**

- 210. Remedial English.** Emphasis upon the elementary requirements in English usage; such as, the rudiments of grammar, sentence punctuation, reading, and spelling. Required of all incoming freshmen who fail to pass a test in English fundamentals.
- 211. Grammar.** Fundamental principles of grammar stressing word usage and sentences. Extensive exercises and drills in spelling and vocabulary building. Fall and Winter. Credit 5(5-0).
- 212. Grammar and Composition.** Review of grammar and principles of composition as related to paragraphs and short themes; frequent themes and exercises; collateral reading and vocabulary building. Prerequisite Eng. 211. Winter and Spring. Credit 5(5-0).
- 213. Composition.** Themes and introduction to various literary types, particularly the essay; collateral reading and vocabulary building. Prerequisite: English 212. Winter and Spring. Credit 5(5-0).
- 214. Writing for Students in Agriculture.** Style, principles, and practice in writing agricultural reports, newspaper articles, and papers for public delivery. Vocabulary building, extensive reading in agricultural literature; term report on selected subject. Prerequisite: English 213. Fall or Winter. Credit 3(3-0).
- 216. Writing for Students in Engineering.** Styles, principles, and practice in writing engineering reports, special articles and papers for public delivery. Vocabulary building, extensive reading in technical literature; term report on selected subject. Prerequisite: English 213. Winter or Spring. Credit 3(3-0).

- 231. Journalism.** Theoretical and practical work in recognizing, gathering, and writing news. While primary attention is given to the development of journalistic technique, there is considerable drill on the fundamental principles of composition. Prerequisite: English 213. Spring. Credit 3(3-0).
- 232. Creative Writing.** The study of creative expression in all types of writing. The radio script and its creation offers bulk of course, however. Scripts written by students are broadcast over Radio Station W.B.I.G. Credit 3(3-0).
- 236. Argumentation and Debating.** A study of the principles of argumentation. The course consists of discussions, lectures, and classroom debates, all of which procedures are preliminary to public debates. Credit 3(3-0).
- 244. Advanced Composition.** Review of composition, with emphasis on writing by types; frequent exercises and critical analysis and reports. Intended for those planning to teach or follow some literary career. Prerequisite: English 213. Fall or Spring. Credit 3(3-0).
- 245. Review for English Majors and Minors.** This course is planned particularly for seniors who desire personal attention in further mastering the fundamentals of English composition and in becoming more conversant with the general field of English and American literature. Required of all Senior English Majors and Minors who fail the Comprehensive Examination. Winter. Credit 0(2-0).

SPEECH AND EXPRESSION

- 224. Public Speaking.** A study of the basic attributes and the fundamental processes of speech. Practice in speech organization and delivery. Any Quarter. Credit 3(3-0).
- 225. Speech Training.** A study of the anatomy and functions of the speech organs; of the physical characteristics of speech sounds as they relate to the speech organs; and of stress, duration, intonation and pitch, and their effect in public address. Winter. Credit 3(3-0).
- 227. Dramatic Technique and Interpretation.** Training in the understanding and interpretative reading of the drama. Winter. Credit 3(3-0).

228. Dramatic Production: Stagecraft. The theory and practice of stage production. Lectures, demonstrations, reports, readings, and laboratory exercises in stagecraft. Spring. Credit 5(3-4).

229. Parliamentary Procedure. Theory and practice in the rules and customs governing organization and proceedings of deliberative bodies. Prerequisite: English 213. Credit 1(0-2).

LITERATURE

215. Negro Literature. A survey of all important Negro writers from pre-Civil War days to the present. Readings, reports (oral and written), and one special topic. Spring. Credit 3(3-0).

220. American Literature. A study of literary, social and political ideals of America as reflected in outstanding writings. Prerequisite: Eng. 213. Winter. Credit 5(5-0).

221. American Literature. A continuation survey course in American Literature. Prerequisite: English 220 or consent of instructor. Spring. Credit 5(5-0).

222. Development of English Literature. Reading in English Literature from the beginnings to 1700. Study of the growth of ideas and institutions, of the types of literature, and of the great personalities who have contributed most to the literature. Lectures. Reports. Prerequisite: Eng. 213. Fall. Credit 5(5-0).

223. Development of English Literature. Continuation of 222. English Literature from 1700 to the twentieth century. Lectures. Reports. Prerequisite: Eng. 213. Winter. Credit 5(5-0).

226. Dramatic Literature. A survey of dramatic literature. Origin of the drama; readings in the Greek, classical French, Elizabethan, and contemporary drama. A principal objective of the course is an insight into the Poetics and Rhetoric of Aristotle. Fall. Credit 5(5-0).

234. Shakespeare. A detailed, chronological study of twelve principal plays taken from all four of the periods of dra-

matic production. Lectures, reports, one long paper. Prerequisite: 20 hours of English. Spring. Credit 5(5-0).

235. Chaucer. A chronological study of Chaucer's principal works with especial emphasis upon the Canterbury Tales. Lectures, collateral assignments, reports, one long paper. Prerequisite: 20 hours of English. Fall. Credit 3(3-0).

238. Milton. A detailed study of Milton's English poems with special attention given to Paradise Lost. Also a study of his important prose. Lectures, assigned reading, memory passages, and a report on a special topic. Prerequisite: 20 hours of English. Winter. Credit 3(3-0).

239. Chaucer, Shakespeare, Milton. A few of the more outstanding works of these writers are studied with a view to understanding their chief contributions to the language and literature of England. Some attention will be given to a background study of the Middle English, Elizabethan, and Puritan Periods. Prerequisites: English 211, 212, and 213. Fall. Credit 5(5-0).

241. Eighteenth Century Literature. Readings in the poetry and prose of the century. Lectures, collateral assignments, reports, and one long paper. Prerequisite: 20 hours of English. Fall. Credit 3(3-0).

242. The Romantic Era. The principles and ideas of Romanticism as expressed in the works of the principal English writers of poetry and prose from 1798 to 1823. Term report. Prerequisite: 20 hours of English. Winter. Credit 3(3-0).

243. The Victorian Era. Readings in the works of the principal English writers of the Victorian Age. Term report. Prerequisite: 20 hours of English. Spring. Credit 3(3-0).

FINE ARTS

General Statement

The purpose as outlined is as follows:

(a) To discover and develop the latent talents of our students for artistic expression and lay a foundation for careers as creative artists.

(b) To meet a growing demand for especially trained art teachers in our public schools and colleges.

(c) To develop tastes and discriminations in the choice of materials used in everyday life which will find expression in more beautiful homes and gardens, schools, parks, playgrounds and other public works.

(d) To provide a culture leading to a more worthy use of leisure time.

All students wishing to major in art must pass a special examination or submit some of their art work for appraisal. Students in other departments desiring special work in Art may by arrangement with the Instructor take any course listed under Art.

CURRICULUM OF FINE ARTS

For Students Who Wish to Major in Art

Freshman Year

See Curriculum First Year Mechanic Arts

NOTE: Students majoring in Fine Arts will substitute Art Structure 309 for shop the Fall Quarter and Art Structure 310 for M. E. 314 Spring Quarter.

Sophomore Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
English 213 and elective .....	.....	5(5-0)	5(5-0)
French 214, 215	5(5-0)	5(5-0)	.....
Modern European History 211 or 212.....	5(5-0)	.....	.....
Negro History 213 .....	.....	.....	5(5-0)
Freehand Drawing 311, 312, 313	3(0-6)	3(0-6)	3(0-6)
Art Appreciation 327, 328, 329	1(0-2)	1(0-2)	1(0-2)
Elective	5 Hrs.		3-5 Hrs.

Junior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Educational Psychology 231 .....	.....	.....	5(5-0)
Problems in Secondary Education 237, 238	3(3-0)	3(3-0)	.....
American History 221 or 222	5(5-0)	.....	.....
Mediaeval History 232 .....	.....	5(5-0)	.....
Commercial Art 321, 322, 323	3(0-6)	3(0-6)	3(0-6)
Portrait, Art 334, 335, 336	2(0-4)	2(0-4)	2(0-4)
Composition, Art 317, 318, 319	1(0-2)	1(0-2)	1(0-2)
Elective	3-5 Hrs.	3-5 Hrs.	3-5 Hrs.

Senior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Education 248, 251 .....	.....	5(5-0)	5(1-8)
History 231	5(5-0)	.....	.....
American Arts and Modern Art, Art 337, 338, 339	1(0-2)	1(0-2)	1(0-2)
Figure Drawing, Art 341, 342	3(0-6)	3(0-6)	.....
Commercial Art 343 .....	.....	.....	3(0-6)
Oil Painting, Art 347, 348, 349	3(0-6)	3(0-6)	3(0-6)
Electives	4-6 Hrs.	4-6 Hrs.	4-6 Hrs.

Suggested Electives

Sketching and Design 314, 315, 316.
 History of Architecture 324, 325, 326.
 Public School Art 344, 345, 346.
 Ed. 236, 331, 341, 221.

COURSES IN ART

Art Structure, Art 309, 310. Study of line, mass and color through the analysis and drawing of simple exercises in pencil, pen and ink and water color. Arranging and combining lines and dark and light to study forms, spacing and proportion—simple problems in perspective, lettering and design. Fall and Spring. Credit 3(0-6).

Freehand Drawing, Art 311, 312. Elementary considerations. Principles of construction lines, as applied in the drawing of still life groups and the antique. Cast drawing, simple outline, accenting, light and shade and modeling. Lettering and simple poster design. Special attention given to techniques. Media—Pen and Ink, Charcoal and Water Color. Fall and Winter. Credit 3(0-6).

Color, Art 313. This course aims to give a working knowledge of color both from the standpoint of its use and enjoyment, psychological significance—harmonies and contrasts—Still Life and Landscape Representation—Decorative and Realistic Treatment. Medium—Water Color. Spring. Credit 3(0-6).

Sketch and Design, Art 314, 315, 316. Sketching in charcoal and Pastel to acquire facility in analyzing salient characteristics of subjects quickly—alternating with design, study of the basic principles of decorative and applied design. Fall, Winter and Spring. Credit 2(0-4).

Composition, Art 317, 318, 319. Study of basic principles of good pictorial composition with definite application to Commercial Art. Mass arrangements in dark and light—accessories—figure composition—interiors and exteriors. Illustration of assigned topics and subjects to conform to the requirements of good Pictorial Design. A wide range of subjects are given to stimulate the imagination. Fall, Winter and Spring. Credit 1(0-2).

Commercial Art I, Art 321, 322, 323. Study of the utilization of art and art principles in industry. Art in advertising is studied through various types of advertising design. Pen and ink technique; exercises in the making of commercial posters, border designs; book plates, calendars, postcards; photograph enlarging. Study of artistic layouts. Considerable work with pen and ink illustration. Medium pen and ink, water color, wash and show card color. Fall, Winter and Spring. Credit 3(0-6).

History of Architecture, Art 324, 325, 326. Ancient, mediaeval, renaissance and modern architectural history covering three consecutive quarters. Fall, Winter and Spring. Credit 5(5-0) each.

Art Appreciation, Art 327, 328, 329. Study of the broad interpretation of art and artistic principles: Elements of beauty; sculpture of Egypt; the golden era of sculpture in Greece; renaissance sculpture in Italy; history of painting from the Italian primitives through the English school analysis and comparisons of the works of representative sculptors and painters. Fall, Winter and Spring. Credit 1(0-2).

Art Appreciation, Art 337, 338, 339. Study of the Crafts, Architecture, Sculpture, and Painting in America—lectures, discussions and written reports designed to stimulate critical appreciation of American Art. The works of representative artists are studied and analyzed. Emphasis placed on book reports, supplementary reading, and other research. Fall, Winter and Spring. Credit 1(0-2).

Advanced Freehand Drawing, Commercial Art II, Art 343. Intensive study of various mediums used in freehand draw-

ing with emphasis on technique; advanced problems in color harmonies and contrasts as applied in the rendering of interiors and exteriors. Best illustrations and commercial designs are studied and reproduced; study of reproductive processes. Considerable work in figure drawing. Medium water color, wash; pen and ink and show card color. Spring. Credit 3(0-6).

Portrait, Art 334, 335, 336. Drawing in charcoal and other mediums of the head from life; the bust and full length figures are studied and drawn with special emphasis placed on anatomical considerations, composition, technique, and expression. Fall, Winter and Spring. Credit 2(0-4).

Figure Drawing, Art 341, 342. Drawing of the full length figure from the live models—study of the figure with emphasis on modeling in light and dark. Winter and Spring. Credit 3(0-6).

Public School Art, Art 343, 344, 345. Such topics as object drawing, simple landscapes, poster design, color, animal, and figure work, and illustration adaptable to the grades are studied through special projects. Special attention is given to methods of presentation and correlation. Blackboard drawing with colored chalk. Fall, Winter and Spring. Credit 3(0-6).

Oil Painting, Art 347, 348, 349. Advance work in oil painting; portraits, landscapes and figure compositions, with emphasis placed on composition and technique. Fall, Winter and Spring. Credit 3(0-6).

DEPARTMENT OF FOREIGN LANGUAGES

The department aims to develop reasonable facility in the reading, speaking, and writing of the principal modern foreign languages. It endeavors, furthermore, to lead students to an intelligent appreciation of outstanding literary masterpieces, to develop a better knowledge of continental contributions to modern culture, and to create a spirit of under-

standing that will result in proper attitudes toward the different racial groups.

All freshmen are required to take a placement test before registering in any courses offered in the department of modern languages.

These courses are suggested as majors and minors, and are recommended for those interested in graduate study, research, government service, teaching or commerce.

MAJOR IN FOREIGN LANGUAGES

Junior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
French 217, 216	3(3-0)	.....	5(5-0)
French 221, 222, 223, 218	5(5-0)	5(5-0)	5(5-0)
Spanish 211, 212, 213	5(5-0)	5(5-0)	5(5-0)

Senior Year

French 231, 232, 233	3(3-0)	3(3-0)	3(3-0)
Spanish 214, 215, 216	5(5-0)	5(5-0)	5(5-0)
French Seminar, Fr. 246	3(3-0)	.....	3(0-6)
Electives			

COURSES IN FRENCH

211. Elementary French. Special attention is given to gaining a complete knowledge of the essentials of grammar and pronunciation, to the acquisition of a vocabulary, and to elementary composition. Required of students who do not pass the French Placement Test. Fall. Credit 5(5-0).

212. Elementary French. This course continues the work in grammar and pronunciation. Conversation and dictation are encouraged. Winter. Credit 5(5-0).

213. Elementary French. Practice in oral and written composition is continued. The early acquisition of a taste for advanced French is stimulated through the reading, translation, and interpretation of easy modern French prose. Spring. Credit 5(5-0).

214. Intermediate French. This course is open to students who pass the French Placement Test based on two units of high school French or college French 211, 212, 213. A brief review of grammar is followed by practice in pronunciation. Fall. Credit 5(5-0).

- 215. Intermediate French.** The reading of French plays is encouraged, and the ability to write and converse in French is further developed. Winter. Credit 5(5-0).
- 216. Phonetics.** This course is intended for students majoring and minoring in French. It is also recommended for those who wish to improve their pronunciation of the language. Spring. Credit 5(5-0).
- 217. French Literature of the Middle Ages and During the Renaissance.** A general introduction to the more advanced study of French literature. Its purpose is to give a clear idea of the great periods and the main tendencies in the history of French thought and letters from the Middle Ages to the Seventeenth Century. Fall. Credit 3(3-0).
- *218. Advanced French Composition.** An advanced course in oral and written self-expression in French. Special attention is given to vocabulary building, free composition, and conversation, prepared and improvised, covering the many phases of everyday activity. Spring. Credit 5(5-0).
- 219. Advanced French Conversation.** A course for students having some experience in written French. It aims to improve oral and aural conversation. Small groups will be arranged for practice in French conversation. Spring. Credit 5(5-0).
- 221. French Literature of the Seventeenth Century.** This course presents Classicism through the masterpieces of Corneille, Racine, Molière and other authors of the "Golden Period" in French letters. Conducted in French. Fall. Credit 5(5-0).
- 222. French Literature of the Eighteenth Century.** The object of this course is to study in particular the life and works of Montesquieu, Voltaire, Rousseau, and the Encyclopedists. Conducted in French. Winter. Credit 5(5-0).
- *223. French Literature of the Nineteenth Century.** The object of this course is to study the great literary currents of the nineteenth century, romanticism and realism. Spring. Credit 5(5-0).

* Offered in alternate years. Not offered 1942-43.

- 245. French Civilization.** A general survey of the history of France, with emphasis on its social, political and economic developments designed to give the student an understanding of present conditions and events. A detailed study is made of such French institutions as art, music and education. This course is also offered in conjunction with reports on collateral readings. Credit 5(5-0).
- 246. French Seminar.** Thesis problem. Open only to seniors majoring in Foreign language. Credit 3(3-0).
- 247. French for Prospective Teachers.** This course is elective for seniors with the consent of the instructor. A brief review of the principles of grammar is followed by an intensive drill in phonetics. Aims, problems, methods, and texts are discussed. Spring. Credit 3(3-0).

COURSES IN SPANISH

- 211. Elementary Spanish.** The primary object of this course is to secure the understanding of easy Spanish, written and spoken. Much attention is given to the essentials of grammar and pronunciation. Fall. Credit 5(5-0).
- 211. Elementary Spanish.** This course continues the work in grammar and pronunciation. Prose reading is encouraged by exercises in vocabulary building. Winter. Credit 5(5-0).
- 213. Elementary Spanish.** Attention is given to advanced elementary grammar. Prose reading continues and a taste for advanced Spanish is stimulated through the reading of poetry.
- 214. Intermediate Spanish.** This course is open to students who have completed two units of high school Spanish or College Spanish 211, 212, 213. Thorough review of Spanish syntax with emphasis on its essential difficulties. Fall. Credit 5(5-0).
- 215. Intermediate Spanish.** Practice in writing idiomatic Spanish in translations and free compositions. Readings from modern authors. Winter. Credit 5(5-0).
- 216. Survey of Spanish Literature.** A survey of the most important movement, writers, and works from the Middle Ages up to the present time. Spring. Credit 5(5-0).

DEPARTMENT OF SOCIAL SCIENCES

A minimum of fifteen quarter hours of history is required for graduation in Arts and Sciences, and Fine Arts.

The following is suggested as a major and is recommended to those interested in law, social service, government service, teaching.

Courses for freshmen and sophomores may be found on pages 57 and 58.

Majors in this department are required to pass a comprehensive examination in the field of Social Sciences at the end of the winter quarter of their senior year.

MAJOR IN HISTORY

Junior Year		<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Ancient and Mediaeval History, Hist.				
231, 232			5(5-0)	5(5-0)
Economics, Ec. 231, 232	5(5-0)		5(5-0)	.....
Money and Banking, Ec. 233				
or				
Labor Problems, Ec. 234				5(5-0)
Sociology 231, 232, 242	5(5-0)		5(5-0)	3(3-0)
Electives				
Senior Year		<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Principles of Geography, Geo. 240			5(5-0)	.....
Commercial Geography, Geo. 241				5(5-0)
Latin American History, Hist. 233				3(3-0)
Federal Government, Pol. Sc. 231	5(5-0)			.....
State Government, Pol. Sc. 232			5(5-0)	.....
Electives	5(5-0)		5(5-0)	5(5-0)

COURSES IN HISTORY

211. Modern Europe. A survey course dealing with major factors and movements in the history of Modern Europe. It deals with economic, social, political, religious, and intellectual problems in their relationship to the development of national states, growth of democracy and the expansion of Europe from 1500 to 1815. Lectures, collateral reading, special reports and map work. Fall and Spring. Credit 5(5-0) each.

212. Modern Europe. A continuation of History 211; from 1815 to the present time. Winter and Spring. Credit 5(5-0) each quarter.

- 213. History of the Negro.** This course begins with a brief survey of the African background of the Negro and traces him from Africa to America. It includes a study of his enslavement, with special emphasis on slavery in America, the Free Negro before 1860, abolition, and the Civil War with special emphasis on the part played by Negro troops, achievements since 1865 and forces in Negro progress. Winter or Spring. Credit 5(5-0).
- 221. American History.** This course includes a survey of English history at the time the colonies were founded, and an economic, social, and political development of the colonies and of the United States down to 1828. Fall. Credit 5(5-0).
- 222. United States History.** An intensive study of the political, social, and economic history of the United States from 1828 to the present. Winter. Credit 5(5-0).
- 223. History of Reconstruction.** An intensive study of the social, political and economic conditions of the United States during the years 1865 to 1895. Prerequisite: 15 hours of history. Winter. Credit 3(3-0).
- 226. History of England.** A survey of the social and political development of England in the 16th, 17th, and 18th centuries. Prerequisite: 20 hours of English. Spring. Credit 5(5-0).
- 231. Ancient History.** This course is designed for those majoring in the field or who plan to teach History in secondary schools. It includes a study of the civilizations and contributions of the people of the Orient, along the Nile and of Greece and Rome. Prerequisite: 15 hours of history. Fall. Credit 5(5-0).
- 232. Mediaeval History.** A history of the middle ages with particular attention to social and economic conditions and cultural and religious development. Prerequisite: 15 hours of history. Winter. Credit 5(5-0).
- 233. History of Latin America.** A study of the rise and development of the Latin American nations, with special attention to their relations with each other and with the outside

world. Prerequisite: 15 hours of history or consent of instructor. Spring. Credit 3(3-0).

234. Contemporary American History. Analysis of important problems in American history since the World War, with emphasis on the domestic and foreign policy of the New Deal. Any Quarter. Credit 3(3-0).

245. Research Problem. Open only to seniors majoring in the field. Any Quarter. Credit 3(0-6).

COURSES IN POLITICAL SCIENCE

***231. Federal Government.** A general introductory course in the government of the United States to acquaint the student with the more important facts of the organization and working of Federal institutions and to give a foundation for more advanced work in government. The principles of political science; the state, the nation, the government; constitution, the federal executive, cabinet, and courts. Prerequisite: 15 hours of Soc. Science or consent of instructor. Fall. Credit 5(5-0).

232. State and Local Governments. A study of state constitutions and of the structure and functions of state and local institutions in the United States. Prerequisite: 15 hours of Soc. Science or consent of instructor. Winter. Credit 5(5-0).

COURSES IN GEOGRAPHY AND GEOLOGY

131. General Geology. A general discussion of geologic forces and their results, dealing chiefly with the principal facts of the science, with reference to the agencies affecting changes in the earth's form. The course includes a study of composition of the earth, soil-forming minerals and characteristics. Rocks and their identification, weathering, residual soil formed from various rocks. The work of winds, ground water stream and their work, alluvial deposits. Glaciation of glacial soils, oceans, lakes and inland waters, together with interpretation of geologic and soil maps. Fall or Winter. Credit 5(4-2).

* Given in alternate years. Offered 1942-43.

- 240. Principles of Geography.** The geological features of North America, including topography, drainage, geology, soils and climate. This is followed by an analysis of physiography with special reference to the physiographic provinces of the United States. Winter. Credit 5(5-0).
- 241. Commercial and Industrial Geography.** This course deals with the value and importance of physical environment of man and its influence upon commerce and industry. Spring. Credit 5(5-0).

COURSES IN SOCIOLOGY

For Undergraduates

- 231. Principles of Sociology.** A general survey of the field of sociology as a social science. Particular emphasis will be laid on social organization, conditions and problems. Fall. Credit 5(5-0).
- 232. Social Problems.** A review of social problems resulting from maladjustments such as dependency, disorganization, industrial unrest, crime and the like, that stand in the way of social well being. Emphasis on current programs for social planning and reform. Prerequisite: Soc. 231 or consent of instructor. Winter. Credit 5(5-0).
- 233. Rural Home Life.** A survey of the home life of Negroes, living on farms and in rural communities, including means and methods of improvement; field and observation tours will be a part of the course. Prerequisite: Soc. 231 or consent of instructor. Spring. Credit 5(3-4).
- 241. The Family.** A survey of the family organization from primitive times to the present, and the analysis of the factors that enter into family development. Prerequisite: Soc. 231 or consent of instructor. Fall. Credit 3(3-0).
- 242. Race Relations.** A study of local conditions, situations, attitudes and progress of the various races in the United States, and methods of dealing with interracial problems. Prerequisite: Soc. 231 or consent of instructor. Winter. Credit 3(3-0).

Graduates and Advanced Undergraduates

- 501. Leadership.** Survey and critical analysis of qualities and factors essential for good leaders in American life. Prerequisite: Sociology 232. Credit 3(3-0).
- 502. Current Economic and Social Problems.** A practical course in applied economics and sociology dealing with analysis of present trends in government economics, industry, agriculture and the social implications of these trends. Current problems of everyday life are emphasized. Prerequisite: 15 hours of social science. Credit 3(3-0).
- 503. Research Problems.** Individual problems for research in each student's field of interest—labor, industry, agriculture, unemployment, old age, etc. Prerequisite: 15 hours of social science. Credit 3(1-4).
- 505. History of Social Theory.** A brief review of the contributions of social theorists beginning with Plato, with consideration given to the social situations and historical events that give rise and substance to their writings. Open to majors in any of the social sciences, this course coordinates Sociology with Philosophy, History, Economics, Psychology and other related fields. Spring. Credit 3(3-0).

COURSES IN ECONOMICS

- 231. Principles of Economics.** This course begins with a study of such as: The nature and scope of economics, characteristics of the present society, and ends with a consideration of the economic development of the United States. Fall. Credit 5(5-0).
- 232. Economic Problems.** This course is concerned with the important economic problems found in our productive and consumptive processes, commerce, market prices, variations and adjustments in business, form of business organization, labor, capital, banking, public ownership and other related topics. Prerequisite: Ec. 231 or consent of instructor. Winter. Credit 5(5-0).

- *233. Money and Banking.** This course includes a general survey of the field of money, banking and credit; monetary standards, inflation, deflation, international trade and purchasing power; recent federal monetary policy. Prerequisite: Ec. 231 or consent of instructor. Spring. Credit 5(5-0).
- 234. Labor Problems.** General introductory course, dealing with such labor problems as unemployment, wages, hours of labor, women in industry, child labor, industrial accidents, occupational diseases, industrial unrest, labor organizations, Negro labor, labor in national defense, and employers associations with examination of proposed solutions. Spring. Credit 5(5-0).
- 254. Elements of Statistical Method.** A course intended to acquaint students with the elementary principles of statistics. The source and collection of data, the nature of statistical units; the properties and appropriate use of averages; methods of comparison; the tabular and graphic presentation of statistical information necessary to the formulation and execution of business and economic problems will be had through use of appropriate data. Fall. Credit 4(2-4).

For Undergraduates and Graduates

- 501. Recent Labor Legislation.** Problems of labor from standpoint of the state; conciliation and arbitration, legal minimum wage, social insurance, and woman and child labor. Credit 3(3-0).
- 502. Social Security Legislation and Administration.** The need for and development of social security legislation in Europe and in America, particularly unemployment insurance, old age benefits, and public assistance programs, scope and probable extension, functions of federal, state and local organizations; administrative and social problems encountered. Credit 3(3-0).

DEPARTMENT OF HOME ECONOMICS

ORIENTATION

Required Courses

H. E. 211. Orientation Course. This course is concerned with aiding in the solution of the immediate problems of personal and group living as the freshman girls find them at college. Required of all freshman girls. Credit 3(3-0).

FOODS AND NUTRITION

Foods 221. Food Principles. Food selection based on personal needs, techniques of food preparation, preservation and care in the home. Prerequisite: General Chemistry. Credit 4(2-4).

Foods 223. Meal Planning and Table Service. Planning and serving of adequate attractive low cost meals, and some emphasis on formal meals. Consumer buying problems will be included. Prerequisite: Foods 221. Credit 4(2-4).

Foods 241. Principles of Nutrition as It Relates to Health. Calculating and planning diets for various family members. Prerequisites: Foods 223, Organic Chemistry, Physiology. Credit 4(2-4).

CLOTHING

Clothing 211. Elementary Clothing. This course deals with the fundamental processes of clothing construction, a study of the use of the Commercial pattern and problems in wardrobe planning. Credit 3(1-4).

Clothing 223. Textiles. A study of textile fabrics, their source, production, characteristics and identification tests. The social, economic, and hygienic aspects of and the care of clothing and household textiles. Credit 3(2-2).

Clothing 212. Design and Clothing Construction. The study of art in relation to clothing construction and problems in repair and remodeling. Credit 3(1-4).

Clothing 243. Clothing Construction. An advanced course in clothing construction with emphasis on the economics and selection of clothing for the family. Credit 3(1-4).

HOME IMPROVEMENT UNITS

H. I. 242. Home Improvement Units.

Unit I. Floriculture.

Unit II. Home Gardening.

Unit III. Poultry.

Unit IV. Applied Electricity in the Home.

Unit V. General Woodwork for the Home.

The course is planned to give students fundamental principles and experiences in the above units.

Educational programs for training in household employment are, for the most part, short, intensive courses designed to give training in those phases of work which employees are most frequently called upon to do.

Each unit in the courses listed above may be taken separately, and may be completed in approximately two weeks

Credit 1(0-5) each unit.

HOME ADMINISTRATION

Home Management

H. A. 223. Consumer Buymanship and Family Economics. This course deals with developing attitudes and habits in consumer-buying and management of family resources. Credit 3(3-0).

H. A. 212. Housing. Selection of and equipping the house, with emphasis on family needs, income, and artistic arrangement. Credit 3(3-0).

H. A. 234. Residence. Experience in applying base principles in Home Economics to the management of the home and the development of proper attitudes essential to family and group living. Credit 3(3-0).

Family

H. A. 224. Family Relationships. A course designed to develop an objective point of view of home life in order to give better appreciation and understanding of problems of family living, and the relation of the family to the community. Credit 3(3-0). Sociology 241 may be substituted.

H. A. 242-A. Child Development. Study of the physical, mental, and social growth of the child up to five years. Observation and care of children in nursery school is required. Prerequisites: Education 221-231. Credit 4(3-2).

H. A. 243. Family Health. Problems in personal, family and community health with emphasis on positive health and home care of the sick. Prerequisite: Foods 221. Credit 2(1-2).

ELECTIVES IN HOME ECONOMICS

Art 212. Costume Designing. A study of the principles as they apply to dress, consideration of individual requirements, and a brief survey of historic costume. Winter. Credit 3(1-4).

Foods 242. Special Problems in Foods. Problems in working with such classes of foods as might be of specific interest to the individual student. Emphasis on developing skill in production in the line chosen. Prerequisites: All required foods courses. Credit 4(2-4).

Foods 243. Institution Operation. Included will be quantity cookery and sufficient institution management to enable operation of a small establishment. Prerequisites: All required foods courses. Credit 5(2-6).

Clothing 214. Construction. A vocational course designed to teach fundamental skills in sewing and to solve special problems of clothing. Credit 3(1-4).

Clothing 215. Construction. A vocational course designed for the individual needs in construction, selection and renovation. Prerequisite: Clothing 314. Credit 3(1-4) or 6(2-8).

H. A. 211. Practical Nursing of Young Children. Child care and training with emphasis on the nature of the young child and its needs. Experience with children in the laboratory period in nursery school is required. Credit 3(3-3). See Miss English.

H. A. 242-B. Nursery School Education. Further study of the mental and social growth of the young child with emphasis

on observational reports and child guidance. A laboratory period in nursery school is required. Prerequisites: Education 221, Education 231, H. A. 242. Credit 4(2-4).

RURAL SCHOOL PRINCIPALS AND TEACHERS

The public school system of the State is passing through a period of reorganization and change. The movement for the consolidation of rural schools has already made great headway, and further progress in this direction is now in sight.

The larger and better equipped school will necessarily become the center of community interests and activities and more and more will the patrons look to it for leadership and guidance in matters of civic and cultural progress.

Principals and teachers of such schools must necessarily be able to take a leading part in the larger school program. They must be able to do more than merely teaching classes. They must be able to administer their school well in all of its activities and maintain its grounds and buildings in the best possible condition. To be able to do this they must be properly trained while in college.

A. and T. College is especially well prepared to train prospective teachers and principals for these fields. Here students of the literary subjects can get their training along side and with students of agriculture, home economics, and industry. They will have opportunity to elect courses in these fields and thereby gain an intelligent understanding of rural people and their habits and means of making a livelihood; they can also gain sufficient skill to do many necessary things for the school, or to understand efficient ways of having them done. They can thus graduate with a broad background of training designed especially for teaching and leadership in these positions.

The following courses are suggested electives for prospective teachers:

ELECTIVE VOCATIONAL COURSES

These courses are designed for those students pursuing the regular college courses, and yet desiring some training in vocational fields. The students are given thorough drilling and are required to attain a working knowledge of the subject matter. The courses are offered on the college level and regular college credit is allowed.

Auto Mechanics 311. Construction and operation of power system. Fuel system, and cooling system. Lubricate, washing and polishing. Repair of tires.

Auto Mechanics 312. Study of ignition system, wiring and lighting system, batteries and their care, starter and generators.

Auto Mechanics 313. Minor repairs to safety devices. Brake adjustments during instruction.

Cabinet Making 311. Care and use of hand tools, wood turning, pattern making, or work to suit individual interest.

Cabinet Making 312. Care and use of power tools. Built-in cabinet. Small projects as desk, bookcase, or useful projects for the home.

Cabinet Making 313. Inside trim. Varieties and characteristics of timber used in projects. Applying hardware, application of stain, varnish, shellac and enamel.

Cabinet Making 314. General building and repair work in furniture and cabinet construction. Prerequisite: I. A. 323. Fall, Winter, or Spring. Credit 5(0-10).

Carpentry 311. Study and use of hand tools. Types of joints used in construction. General framing and bracing.

Carpentry 312. Blueprint reading and estimating of quantities. General construction of small projects of roof covering.

Carpentry 313. Stair building. General roof construction, flooring. Experience on practical building.

Carpentry 314. General building and repair work in carpentry. Prerequisite: I. A. 323 or the equivalent. Fall, Winter, or Spring. Credit 5(0-10).

Machine Shop Practice. M. E. 348, 349, 350. See write-up under Industrial Laboratory Courses of Vocational School.

Mechanical Drawing. M. E. 311, 312, 314, 323, 324 and 325. See write-up under Mechanical Engineering Courses.

Masonry and Bricklaying. M. B. 311. Types of brick and their use in construction. Mortar mixing, thickness of joints, tools and practice work.

Masonry and Bricklaying 312. Study of mortars, bonds, joints, pointing up. Practice work.

Masonry and Bricklaying. M. B. 313. Estimating, arches, lintels, chimneys and fireplaces. Practical job.

Masonry and Bricklaying. M. B. 331. Plastering. Study and use of tools, putting on laths, first and second work. Experience.

Masonry and Bricklaying. M. B. 332. Cement finishing. Study and use of tools marking and grading. Experience on job.

Masonry and Bricklaying. M. B. 333. Concrete work. Mixing of fine and coarse aggregate effects of water ratio. Placing in forms. Form bracing. Study of strength of different mixes.

S. R. 311. The study of threads, making waxed ends and twisting bristles on ends. Stitches used in hand sewing. Care and use of hand tools for leather work.

S. R. 312. Construction. Methods of fastening parts of shoes together. Tempering and preparing leather for soles. Preparing shoes for half soles and heels. Ink, dyes, cement and nails are studied. Bench work.

S. R. 313. Machine operation. Care and use of power stitcher. Cement process. Sewing of welts and cutting. Curved and straight needle stitchers. Finishing. Changing of color.

Secretarial Science. Sec. Sc. 317, 318, 319. See typewriting under Secretarial Science.

Tailoring. T. 311. Care and use of tools. Practice in use of needle and thimble. Study and application of stitcher to different stitches.

Tailoring. T. 312. Study and classification of material. Practice in making pockets, buttonholes and backstitching. Machine sewing.

Tailoring. T. 313. Material and colors. Matching for color. Relining of coat and pockets. Pressing.

Welding 311, 312. Oxy-Acetylene Welding. The purpose of this course is to give students a knowledge and understanding of the welding process and its possibilities. A knowledge of the physics and metallurgy involved in the making of a good weld. A knowledge of the limitation of the process, of the apparatus used, of the common metals, their composition, their properties and methods of identification.

Welding 313. Electric Arc Welding. A study of the different types of metals and welding rods to be used with steel, cast iron, malleable iron and more common metals. Skill in handling the welding machine as applied to practical jobs.

Auto Mechanics			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
A. M. 311, 312, 313	3(0-6)	3(0-6)	3(0-6)
Cabinet Making			
C. M. 311, 312, 313	3(0-6)	3(0-6)	3(0-6)
Carpentry			
C. 311, 312, 313	3(0-6)	3(0-6)	3(0-6)
Machine Shop Practice			
M. E. 348, 349, 350	2(0-4)	2(0-4)	2(0-4)
Masonry and Bricklaying			
M. B. 311, 312, 313	3(0-6)	3(0-6)	3(0-6)
M. B. 331, 332, 333	3(0-6)	3(0-6)	3(0-6)

Mechanical Drawing

M. E. 311, 312, 313	3(0-6)	3(0-6)	3(0-6)
M. E. 323, 324, 325	3(0-6)	3(0-6)	3(0-6)

Shoe Repairing

S. R. 311, 312, 313	3(0-6)	3(0-6)	3(0-6)
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Tailoring

T. 311, 312, 313	3(0-6)	3(0-6)	3(0-6)
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Welding

W. 311, 312, 313	2(0-4)	2(0-4)	2(0-4)
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Secretarial Science

Sec. Sc. 317, 318, 319	2.5(0-5)	2.5(0-5)	2.5(0-5)
Sec. Sc. 314, 315, 316	5(5-0)	5(5-0)	5(5-0)

Note: (1) For elective courses on Home Improvement see page.....
 (2) For elective courses in farm and animal life see page

TEACHER-TRAINING FOR INDUSTRIAL EDUCATION**TEACHERS OF INDUSTRIAL ARTS**

The State of North Carolina finds it quite a problem to secure qualified teachers of Industrial Arts for its High Schools. A. and T. College offers courses for training of Industrial Arts teachers. The prospective teacher, in addition to a thorough preparation in subject matter in the various shops such as wood-working, machine shop practice, electrical work, automobile repairing, masonry, and mechanical drawing, is given courses in organization of the industrial arts, shop management, and methods of instruction.

CURRICULUM FOR INDUSTRIAL ARTS**TEACHERS****Freshman Year**

See first year's Curricula of Mechanic Arts.

Sophomore Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
*Calculus, Math. 321, 322, 323.....	5(5-0)	5(5-0)	5(5-0)
Physics 321, 322, 323.....	5(5-0)	5(5-0)	5(5-0)
Advanced Woodworking, I. A. 321, 322, 323.....	3(0-6)	5(0-10)	5(0-10)
Vocational Drawing, I. A. 331, 332, 333....	3(0-6)	3(0-6)	3(0-6)
Military Science, M. S. 221, 222, 223.....	1(0-2)	1(0-2)	1(0-2)
Materials of Construction, I. A. 324.....	3(3-0)	.....	.....
	<u>20</u>	<u>19</u>	<u>19</u>

* Students who do not desire a mathematics minor may substitute other approved courses.

Junior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Wood Turning, Upholstering, Finishing, I. A. 338, 339, 340.....	3(0-6)	3(0-6)	3(0-6)
Freehand Drawing, Art 311, 312, 313.....	3(0-6)	3(0-6)	3(0-6)
Vocational Education, Trade Analysis, Ed. 331, 332		3(3-0)	3(3-0)
Principles of Economics, Econ. 231.....	5(5-0)		
Educational Psychology, Ed. 231.....			5(5-0)
English Elective		3	
Principles of Secondary Education, Ed. 237	3(3-0)		
*Electives	3	5	3
	<hr/> 17	<hr/> 17	<hr/> 17

Senior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Machine Shop, Auto Mechanics, Electricity, M. E. 348, I. A. 349, 350.....	2(0-4)	3(0-6)	2(0-4)
Principles of Sociology, Soc. 231.....	5(6-0)		
Materials, Equipment and Shop Manage- ment, I. A. 347.....		3(3-0)	
Observation and Practice Teaching, Ed. 344			5(5-0)
History of Industrial Education, I. A. 341..	3(3-0)		
Tests and Measurements, Ed. 236.....			5(5-0)
Vocational Guidance, Ed. 341.....	3(3-0)		
Methods of Teaching, I. A. Ed. 343.....		5(5-0)	
Working Drawings, A. E. 334, 335, 336....	3(1-4)	3(1-4)	3(1-4)
**Comprehensive Shop Projects, I. A. 348		3(0-6)	
*Electives	3 Hrs.	3 Hrs.	3 Hrs.
	<hr/> 19	<hr/> 17	<hr/> 18

Suggested Electives

General Psychology, Ed. 221	5 Hrs.
†Methods of Teaching Mathematics, Ed. 246.....	5 "
Mechanical Drawing, 323, 324, 325.....	6 "
Bricklaying 311, 312-M. B'.....	3 "
Carpentry 312, 313	3 "
Carpentry 314	5 "
Cabinet Making 312, 313	3 "
Cabinet Making 314	5 "
Wood Turning, Upholstering, and Finishing 338-A, 339-A, 340-A	3 "

I. A. 321, 322, 323. Advanced Woodwork. Care and use of power machinery; joinery and cabinet making. Fall, Winter, Spring. Credit 3(0-6), 5(0-6), 5(0-6) respectively.

* Electives to be approved by the head of the department in which student is registered.

** This course may be waived at the discretion of the department when individual experiences justify such action.

† When mathematics is chosen as a minor subject.

- I. A. 324. Materials of Construction.** A study of the manufacture and physical properties of iron, steel, timber, cement, concrete, and other materials encountered in technical fields, and the A. S. T. M., specifications and methods of testing. Prerequisite: Chem. 113. Fall. Credit 3(3-0).
- I. A. 331, 332, 333. Vocational Drawing.** Correlation between mechanical drawing and shop projects. Fall, Winter, Spring. Credit 3(0-6) each.
- I. A. 338, 339, 340. Wood Turning, Upholstering, Finishing.** Application of the principles of upholstering, wood turning and wood finishing through projects. Fall, Winter, Spring. Credit 3(0-6) each.
- I. A. 338-A, 339-A, 340-A.** Continuation of wood turning, upholstering, and finishing respectively. Prerequisites: I. A. 338, 339, 340. Credit 3(0-6) each.
- I. A. 341. History of Industrial Education.** A foundation and orientation course in industrial education. Familiarizes the student with the underlying philosophy, the basic principles, the prevailing practices and the accepted terminology in trade and industrial education. Fall. Credit 3(3-0).
- I. A. 347. Materials, Equipment and Shop Management.** The problems of equipping and arranging trades and industrial art shops, and the care of tools, materials, safety first, and management are discussed. Winter. Credit 3(3-0).
- I. A. 348. Comprehensive Shop Projects.** The student will be required to engage in such practical work as his individual needs seem to warrant. This work may include general construction and/or repair, maintenance work, or advanced project involving wood turning, carving, inlaying, upholstering, and wood finishing. Winter. Credit 3(0-6).
- I. A. 349, 350. Automobile Mechanics, Electric Wiring.** These courses aim to enable the student to conduct exploratory work either in unit shops or in general industrial arts shops. Winter and Spring. Credit 3(0-6), 2(0-4) respectively.

DEPARTMENT OF MATHEMATICS

All freshmen are required to take a placement test in Mathematics.

A minimum of ten quarter hours of Mathematics is required for graduation from all departments except Agriculture and Home Economics.

The following is suggested for those desiring to complete a major, and is recommended to persons planning to do research work, graduate study or teaching.

Freshman and sophomore courses may be found on page 56.

MAJOR IN MATHEMATICS

Junior Year			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Calculus, Math. 321, 322, 323.....	5(5-0)	5(5-0)	5(5-0)
Economics, Econ. 231, 232, Math. 324.....	5(5-0)	5(5-0)	5(5-4)
Physics 321, 322, 323	5(5-0)	5(5-0)	5(5-0)
Electives			
Senior Year			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Equations, Math. 331		5(5-0)	.....
Mathematics 316, 317	5(5-0)	5(5-0)	.....
Teaching of Mathematics, Edu. 346.....		.....	5(5-0)
Observation and Practice Teaching, Edu. 251 .....		.....	5(5-0)
Electives			

COURSES IN MATHEMATICS

Undergraduates Only

309. Laboratory Mathematics. This is a pre-college course designed to strengthen and review the student in fundamentals of Arithmetic, Plane Geometry and Algebra. The course is outlined so as to acquaint the student with the probable applications in the following: Algebra and Trigonometry courses; all freshman students unable to pursue Mathematics 311 with satisfactory degree of proficiency are advised to enroll in this course. No credit.

311. College Algebra. This course will review briefly the fundamental operations, factoring fractions, and linear equations. Solution of simultaneous equations, irrational numbers, logarithms, quadratic, simultaneous quadratic, is followed by the binomial theorem, geometric and arithmetic progression. The course is concluded with an intro-

duction to complex numbers, determinants, permutation, combination and probability. Prerequisite: High School Algebra. Credit 5(5-0).

312. Trigonometry. Functions of angles and their practical applications to solution of problems, relations of acute logarithms of numbers and trigonometric functions, solutions of the right and oblique triangles by logarithms. Prerequisites: Math. 311 and Plane Geometry. Winter. Credit 5(5-0).

313. Analytic Geometry. A thorough study of cartesian coordinates, curves, loci, straight line, circle, polar coordinates, conic sections completes the plane analytic geometry. Coordinates in space, loci, plane and straight line completes the course. Prerequisite: Math. 312. Spring. Credit 5(5-0).

315. Mathematics of Business. A basic course offered primarily for students of Business Administration. A study of elementary principles of mathematics as applied to investments, sinking funds, annuities, insurance, etc. The course is begun with a thorough study of interests—simple and compound. This course will not serve as a prerequisite for any other course in mathematics. Credit 5(5-0).

316. General Mathematics. This course is designed primarily as a refresher course for students expecting to teach Mathematics in elementary and high schools and non-technical majors. The course will include a review with special emphasis on the theory of higher arithmetic, fractions, proportion, variation, percentage, etc.; elementary algebra, theorems in plane and solid geometry, their applications and extensions into trigonometry. Prerequisite: Mathematics 323. Fall. Five hours credit.

317. General Mathematics. This course will include algebra, through quadratics, complex numbers, permutations, combinations and the binomial theorem; logarithms, use of the slide rule, graphs, statistics and an introduction to trigonometry. Prerequisite: Math. 316. Winter. Five hours credit.

318. Elementary Mathematical Statistics. A general course covering the use of graphs, frequency distributions, aver-

ages, measures of dispersion, etc., with an introduction to sampling and correlation; a basic course for all fields of application. Prerequisite: Math. 311, and approval of instructor. Fall or Winter. Credit 5(5-0).

321, 322, 323. Differential and Integral Calculus. Derivative of algebraic, trigonometric, and exponential functions. Curve tracing, application of derivative, and differentials completes one half of the trigonometric functions, by formulae substitution, and rational fractions, application of integrals, center of gravity, moments of inertia, double integration and triple integration concludes the course. Credit 5(5-0) each.

324. Surveying. The method of using the compass, transit, tape and level in making plane surveys. Lectures and field work. Elementary stadia work. Prerequisite: Math. 312. Fall. Credit 2(0-4).

331. Differential Equations. Presented in alternate years. Prerequisite: Math. 323. Credit 5(5-0).

Advanced Undergraduates and Graduates

501. Theory of Equations. Complex numbers, solutions of cubics and biquadratics, methods of approximating roots, systems of equations, elements of determinants. Credit 5(5-0).

502. Mathematics of Life Insurance. Probability, mortality tables, life insurance, annuities, endowments, computation of net premiums, evaluation of policies, construction and use of tables. Credit 3(3-0).

503. Differential Equations. Formulation of practical problems as solutions of differential equations, method of solving type forms, systems of equations, singular solutions, methods of approximation, an introduction to partial differential equation. Credit 5(5-0).

504. Numerical Computation. Interpolation, numerical solution of equations, approximations, numerical integration, construction of tables. Credit 3(3-0).

505. Statistics Methods. Sampling from biological populations, statistics and experimentation, averages and tests of significance, linear, multiple and curvilinear regression, analysis of variance and covariance, individual comparisons. Credit 5(5-0).

506. Advanced Calculus. Review of differentiation and integration, approximation of integrals, partial derivatives, line integrals, integral theorems, applications to geometry, physics, and mechanics. Credit 5(5-0).

507. Mathematical Statistics. Averages, moments, correlation, probability, the normal and poisson's distributions, the Gram-Charlier series, the distribution of statistics, sampling of populations, the Lexis theory, Sheppard's corrections, maximum likelihood, and other selected topics. Credit 3(3-0).

DEPARTMENT OF MECHANICAL ENGINEERING

CURRICULUM

Freshman Year

See first year's Curricula of Mechanic Arts.

Sophomore Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Physics 321, 322, 323	5(3-4)	5(3-4)	5(3-4)
Mathematics 321, 322, 323	5(5-0)	5(5-0)	5(5-0)
Military Science 221, 222, 223	2(0-4)	2(0-4)	2(0-4)
Machine Shop Practice 348, 349, 350.....	2(0-4)	2(0-4)	2(0-4)
Mechanical Drawing 323, 324, 325.....	3(0-6)	3(0-6)	3(0-6)
Public Speaking English 324	3(3-0)
Surveying, Math. 324	2(0-4)
Electives	3(3-0)

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Junior Year

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Electrical Engineering 331, 332, 333.....	5(3-4)	5(3-4)	5(3-4)
Mechanics, M. E. 331, 332, 333.....	5(5-0)	5(5-0)	5(5-0)
Heat Power Engineering, M. E. 336.....	5(5-0)	.....	.....
Heating and Ventilating, M. E. 334, 335....	.....	3(3-0)	3(3-0)
Materials of Construction, I. A. 324.....	3(3-0)	.....	.....
Thermodynamics, Physics 332	5(5-0)
Mechanism, M. E. 321	3(3-0)
Testing Materials Lab., M. E. 346.....	2(0-4)

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Senior Year			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Machine Design, M. E. 341, 342, 343.....	5(5-0)	5(3-4)	5(3-4)
Heat Power Engineering, M. E. 344, 345..	5(5-0)	5(3-4)
Hydraulics, M. E. 337	3(3-0)	.....	.....
Contracts and Specifications, M. E. 327....	.....	.....	3(3-0)
Internal Combustion Engines, M. E. 338....	.....	5(5-0)	.....
Economics, Ec. 231	5(5-0)	.....	.....
Electives .....	.....	3	8
	18	18	16

Suggested Electives

Differential Equations, Math. 331.
 Education (Professional Certificate Requirements).
 Estimating, C. I. 344.
 Economics, Ec. 232, 234.
 Special Problems in Mechanical Engineering.

COURSES

- 311. Mechanical Drawing.** Instruction in proper use of drafting instruments and materials. Pencil drawings. Ink drawings. Tracing. Lettering. Emphasis placed upon accuracy and neatness. Fall. Credit 3(0-6).
- 312. Mechanical Drawing.** Continuation of 311. Elementary fundamentals required for machine drawing, including isometric, oblique and simple projections, the construction of conics and rolled curves. Prerequisite: 311. Winter. Credit 3(0-6).
- 314. Descriptive Geometry.** Short lectures and individual classroom instruction. Classroom exercises are issued in form of problem sheets which the student finishes according to directions. Emphasis is placed upon the ability to visualize the problems and processes of solution. The study of the fundamental conceptions of orthographic projection and fundamental problems on lines, planes and solids. Spring. Credit 3(1-4).
- 317. General Shop.** Care and use of tools, principles of planning, squaring and laying out work. Laboratory practices and modern methods of pattern making. Woods used, glued joints, methods of building up, draft shrinkage, coating and storage. Small individual projects. Credit 3(0-6).

- 321. Mechanism.** A study of various types of mechanisms employed in the design of machines such as linkages, belting, cams and followers, gears, cones and wheel trains. Prerequisites: M. E. 323, Math. 312. Fall. Credit 3(3-0).
- 323. Mechanical Drawing.** Drafting room exercises accompanied by lectures, making assembly drawing from blueprints of details of some machine. Dimensions, reproducing, tracing, blueprinting. Prerequisite: 313. Fall. Credit 3(0-6).
- 324. Mechanical Drawing.** Continuation of 323. Drafting room work in the solution of practical problems. Prerequisite: 323. Winter. Credit 3(0-6).
- 325. Mechanical Drawing.** Continuation of 324. Solution of problems dealing with velocities, acceleration forces in various linkages, design of gear teeth and a drawing room study of operation of certain types of valve gears for steam engines. Prerequisite: 325. Spring. Credit 3(0-6).
- 327. Contracts and Specifications.** Elementary principles of contracts involving bids and bidders; methods of letting and payment for control and extra work; preparation and writing of specifications. Spring. Credit 3(3-0).
- 331. Mechanics. Statics.** Graphical and analytical resolution and composition of forces. Laws of equilibrium and force systems; stress in various types of frames; distributed forces; center of gravity; moments of inertia and radii of gyration of plane areas and solids. Kinetics of solid bodies in plane motion. Fall. Credit 5(5-0).
- 332. Mechanics. Strength of Materials.** Physical properties of materials; fundamentals of stress and strain in bodies under uniform or varying stresses; the theory of bending; shearing; bending moments; equation of elastic curve; deflections in beams; stress due to combined axial loading and bending. Prerequisite: 331. Winter. Credit 5(5-0).
- 333. Mechanics. Structures.** A continuation of 332. Theory of column strength; torsion. Analytical trusses, columns, beams and girders. Design of wood and steel beams and columns. Calculation of roof loads, floor loads, loading on bridges, etc. Prerequisite: 332. Spring. Credit 5(5-0).

- 334. Heating and Ventilating.** A study of the theory, design and installation of hot air, direct and indirect steam, hot water and fan heating systems; central heating and temperature control. Computations for heat losses and size of principal equipment. Layout of piping, ducts and auxiliary apparatus. Lectures, recitations. Winter. Credit 3(3-0).
- 335. Heating and Ventilating.** Continuation of 334 with special attention given to air analysis and air conditioning. Discussion of methods of air refrigeration, distribution, humidity control and conditioning equipment. Lectures, recitations. Spring. Credit 3(3-0).
- 336. Heat Power Engineering.** A description and analytic study of the principles involved in the application and utilization of heat in the steam boiler, steam engine, steam turbine and power plant auxiliaries, elementary thermodynamics, fuels and combustion. Prerequisite: Physics. Spring. Credit 5(5-0).
- 337. Hydraulics.** Elementary principles of hydrostatics and hydrokinetics; laws of static; dynamic pressure, flow of water through orifices, tubes, nozzles, weirs, pipe lines and open channels, hydraulic friction and accompanying losses; water measurements in pipes and open channels. Fall. Credit 3(3-0).
- 338. Internal Combustion Engines.** A study of the Otto and Diesel type engines and their auxiliaries; fuels, performance; design, applications and economics. Discussions, problems. Prerequisite: Physics 322. Spring. Credit 5(5-0).
- 341, 342, 343. Machine Design.** The design of machine elements involving a consideration of static and dynamic forces, critical speeds and the application of the theories of strength and resistance of materials. The course covers keys, screw fastenings, power screws, pressure vessels, shafts, couplings, journals and bearings, gears, belts, springs, brakes and flywheels. Lectures, recitations, design periods. Prerequisites: M. E. 321, 333. Credit 5(5-0), 5(3-4), 5(3-4).

- 344 and 345. Heat Power Engineering.** A study of modern central and isolated power plants. Engineering operation; specifications, combustions of fuels, flue gas and feed water analysis. Economics, cost of fuel, labor, power. Problems and experimental tests on boilers, refrigeration machines and plant auxiliaries. Prerequisite: M. E. 336. Credit 5(4-2), 5(3-4).
- 346. Testing Materials Laboratory.** Laboratory work devoted to experiments and standard tests on various engineering materials, including steel, iron, wood, birch, sand, gravel, cement and concrete. Prerequisite: M. E. 332. Spring. Credit 2(0-4).
- 347. Hydraulic Machinery.** A study of the theory, construction and operating characteristics of the principal types of hydraulic machinery. Lectures, recitation problems. Credit 3(3-0).
- 348, 349, 350. Machine Shop Practice.** A study of the theory, construction and operation of various machine tools such as lathes, milling machines and shapers and the use of special tools and measuring instruments. Fall, Winter, Spring. Credit 2(0-4).
- 351, 352, 353. Mechanical Engineering Laboratory.** Opportunity for advanced experimental study along any line of work in which student may be specializing. The student is left largely to his own resources in planning and carrying out work. Credit 2(0-4), 2(0-4), 2(0-4).

MILITARY SCIENCE AND TACTICS

1. RESERVE OFFICERS' TRAINING CORPS

It was announced by the War Department on April 29, 1942, that a "senior division Reserve Officers' Training Corps unit of Infantry will be established" at The Agricultural and Technical College "under the provisions of Section 40, National Defense Act as amended."

Accordingly, beginning with the fall quarter, 1942, young men of the college will be able to register in the R. O. T. C.

and if successful will receive on graduation a B.S. degree and also a commission in the United States Army.

Students will be furnished uniforms by the government for drill purposes and will not be drafted while in training.

2. ENLISTED RESERVE CORPS

The college will maintain in addition a unit of the Enlisted Reserve Corps of the Army. Students enrolling in this unit may be deferred from active service until completing their course of study, and if called, will be qualified to enter an army officers' training school and receive a commission in the United States Army.

These are unusual opportunities for energetic and capable young college men to secure excellent training to render the highest possible service to their country should they be called. Those interested should apply immediately.

BENEFIT AND VALUE OF MILITARY TRAINING

The Department of Military Science presents an opportunity for the student to learn the essentials of command and leadership, while at the same time learning the fundamental essentials of Military Science and Tactics. Through a co-ordinated program with the Department of Physical Education, the physical fitness of the student is stressed.

211. Military Science. The essentials of military discipline; courtesies. Theory of close and extended order drill to include the squad. Fall. Credit 2(0-4).

212. Military Science. The duties of the members of an interior guard. Scouting and patrolling. Winter. Credit 2(0-4).

213. Military Science. Theory and practice of close and extended order drill to include the rifle section. Spring. Credit 2(0-4).

221. Military Science. Orientation of national military policy. Close and extended order of the rifle section to include the rifle platoon. Fall. Credit 2(0-4).

- 222. Military Science.** Combat principles of the rifle squad and section. Theory and practice of close order drill to include the rifle company. Spring. Credit 2(0-4).
- 223. Military Science.** Care and cleaning of the rifle; preliminary instruction in rifle marksmanship. Elementary sanitation and first aid. Winter. Credit 2(0-4).
- 231. Military Science and Tactics.** Lectures and discussions. Credit 4(3-2).
- 232. Military Science and Tactics.** Lectures and discussions. Credit 4(3-2).
- 233. Military Science and Tactics.** Lectures and discussions. Credit 4(3-2).

MUSIC

Music at A. and T. College is recognized as of fundamental value in the enrichment of the life of every man and woman. The principal and ultimate aim of the course in music is, therefore, directed toward the development of real interest in music and a sincere desire to understand and enjoy it more fully.

The curriculum is designed to give further preparation for the student of talent primarily interested in teaching music and influencing the cultural development of the community by much needed musical activities in rural as well as urban centers.

NOTE: A new course designed to prepare students to teach band instruments and to organize and train high school bands is now available to qualified students. Those interested should talk to the director of the band and must take the following courses: Music 217, 218, 219; 214, 215, 216; 224, 225, 226, 231, 234, 245, 236, and 247, 248, 249.

COURSES OF INSTRUCTION

Theory of Music

Music 214, 215, 216. Fundamental Principles of Music Theory.

A study of the major and minor scales; intervals, and iden-

tification of triads; and intensive work in ear training and sight singing. Required of all students intending to major or minor in music. Fall, Winter and Spring. Credit 1(1-2) each quarter.

Music 224, 225, 226. Elementary Harmony. Advanced ear training, major and minor triads and their inversions, primary and secondary sevenths and simple modulation. Open to students who have completed Music 214, 215, or 216, or who can satisfy the instructor by an examination of their ability to take the course. A rudimentary knowledge of the piano is required. Fall, Winter and Spring. Credit 2(1-2) each quarter.

227, 228, 229. Dictation and Sight Singing. This course completes the requirement in aural theory and is required of all music majors and minors. Prerequisites: Music 214, 215, 216. Credit 2(2-2) each.

Music 231, 232, 233. Advanced Harmony and Analysis. Ninth chords, modulations, chromatic alterations, ornaments, harmonic and formal analysis. Fall and Winter. Credit 2(1-2) each quarter.

History and Appreciation

Music 211, 212, 213. Introduction to the Study of Music. This course aims to provide a general cultural background for the listener, as the basis for an intelligent appreciation of music. Open to those not intending to major or minor in music. Fall, Winter and Spring. Credit 1(0-2) each quarter.

Music 221, 222, 223. Appreciation of Music. Abundant examples of music from Palestrina to the modern masters are analyzed and performed from the point of view of their style and content. Open to those not intending to major or minor in music. Fall, Winter and Spring. Credit 1(0-2) each.

Music 241, 242, 243. History of Music. A survey course of the history of music from its early beginnings to the modern period. Analysis of works of important composers, lectures and readings will constitute the work of the course. Fall, Winter and Spring. Credit 3(3-0) each.

Music Education

Music Ed. 217, 218, 219. Public School Music Methods. A study of the various band and orchestral instruments. This course is designed for students who may teach or intend to follow music as a profession. Fall, string instruments; Winter, reed instruments; Spring, brass instruments. Credit 2(1-2) each.

***Music 230. Conducting. (Formerly 231).** This course consists of advanced sight singing and ear training; technique of the baton; the study of the art forms for the purpose of conducting and the organization and administration of choral groups. An opportunity for practical experience throughout the course will be offered the student. Spring. Credit 3(1-4).

Music 234, 235. Public School Music Methods. Materials and methods for teaching music on all levels. Special attention is given to the organization, management and development of choruses, glee clubs, bands, and orchestras, testing and care of the adolescent voice. Music 235 is a continuation of Music 234. Fall and Winter. Credit 2(1-2) each quarter.

Music 236. Public School Music Methods. Instructions for teaching in the junior and senior high schools. Spring. Credit 2(1-2).

***Music 247, 248, 249. Orchestration.** A practical study of all instruments and the art of scoring for different combinations and for full band and orchestra. Prerequisite: Music 233. Fall, Winter and Spring. Credit 2(2-0) each.

Music 210abc, 220abc. Band. Any student may elect band during the freshman or sophomore year with the permission of the Professor of Military Science and the Director of the Band. Credit will be given to those doing satisfactory work in place of the regular Military Science. Fall, Winter, Spring. Credit 1(0-5) each quarter.

Music 244abc, 245abc. Advanced Band. This organization is the College Concert Band. Regular attendance is required

* Given in alternate years. Offered 1942-43.

at all rehearsals and public concerts. All students recommended by an approved teacher and satisfying the departmental standards for the equivalent of two full years of previous study are eligible to enroll. Fall, Winter and Spring. Credit 2(1-4) each quarter.

250. Band Technics. This course deals with band organization and administration and demonstration teaching of wood and brass-wind instruments. Required of all instrumental music majors and minors. Fall. Credit 5(2-6).

251. Voice. This course aims to give the student a knowledge of proper fundamentals in breathing, breath control and voice production. (3 hours credit of the total 5 hours of this course come from 2 or more years satisfactory service in the music organizations.) Winter. Credit 5(2-6).

PHYSICAL EDUCATION

THE GENERAL AIMS OF PHYSICAL EDUCATION

The aims of this department are to develop organic power, vitality, the prerequisites to physical and mental efficiency; to secure muscular development, bodily skill and grace; to provide an incentive and an opportunity for every student to secure physical recreation as a balance to the sedentary demands of school life. The department also aims to offer social and moral values of games and sports, and also to establish high ideals of athletics. It trains the individual along the lines of leadership, fellowship and develops a love of recreation.

Further it aims to acquaint the student and teacher with a keener realization of periodic health examinations; to give to the public trained recreational leaders.

All women students are required to complete six hours of Physical Education during their freshman and sophomore years. These will include the following:

One outdoor team game, one indoor game, one course in dancing, one course in Individual Sports, one course in Gymnastics, and one optional. Those unable to take the regular

courses because of physical conditions will register in the corrective courses.

Those women desiring to minor in physical education must complete 27 quarter hours excluding the six quarter hours required for graduation. The required 27 hours may include any of the courses listed below with the exception of the courses listed for men only.

DESCRIPTION OF PHYSICAL EDUCATION COURSES

*Women Only

- 211ss. Soccer and Speedball.** Outdoor team game for women including the fundamentals and rules of both games. Fall. Credit 1(0-2).
- 211h. Hockey.** Outdoor team game including the fundamentals and rules of the game. Fall. Credit 1(0-2).
- 211t. Beginning Tap Dancing.** Includes all fundamental tapping steps that lead to syncopating buck rhythm. Fall. Credit 1(0-2).
- 211at. Advanced Tap Dancing.** Offered for those persons who have had some previous training in tap dancing or have had Physical Ed. 211c. Offered Winter. Credit 1(0-2).
- 212b. Basketball.** Indoor team game, which includes fundamentals, technique and rules, and coaching technique. Winter. Credit 1(0-2).
- 212v. Volley Ball.** Indoor team game, which includes fundamentals, technique and rules. Winter. Credit 1(0-2).
- 212f. Folk Dancing.** Characteristic dances of all countries, including Sweden, Hungary, Austria, United States, etc. Winter. Credit 1(0-2).
- 213s. Softball.** Outdoor team game including the fundamentals and rules of the game. Spring. Credit 1(0-2).
- 213t. Tennis and Archery.** Includes fundamentals and practice in both. Considered as Individual Sports. Fall and Spring. Credit 1(0-2).

* These courses are required of all freshman and sophomore women, including majors and minors in physical education.

- 213r. Rhythms.** Creative movements based on fundamental rhythms. May be used for the dancing requirement. Spring. Credit 1(0-2).
- 213is. Individual Sports.** Badminton, table tennis, shuffleboard and other individual sports. Offered Winter and Spring. Credit 1(0-2); Physical Education minors only 2(0-4).
- 214. Gymnastics.** Contains practice in Danish gymnastics, apparatus, stunts and tumbling. Offered in the Fall, Winter and Spring. Credit 1(0-2).
- 215abc. Correctives.** A course in specific exercise for those women who are unable to participate in regular Physical Education classes. Credit 1(0-2).
- 216abc. Correctives.** This course is a continuation of the course 215abc. Credit 1(0-2).
- 217. Modern Dancing.** Prerequisite: P. Ed. 213 or consent of instructor. Credit 1(0-2).

Men Only

- 210abc. Obstacle Course.** This course is primarily designed to acquaint students with modern procedures in physical fitness, and to give them experience in the execution of tactical operations both under routine and combat conditions. Credit 2(0-4) each quarter.
- 220abc. Obstacle Course.** This course is a continuation of 210abc. Credit 2(0-4) each quarter.
- 225. Football.** This course deals with the fundamentals involved in the organization, training and development of football teams. Lectures and practical work constitute the course. Fall. Credit 2(1-2).
- 225b. Basketball.** Same as 225. Winter. Credit 2(1-2).
- 225c. Individual Games and Sports.** Tennis, handball, golf, badminton, track and field events, etc. Spring. Credit 2(1-4).

225d. Track. Same as 225. Spring. Credit 2(1-2).

226a. Boxing. Winter. Credit 1(0-2).

226b. Group Games of High Organization. Football, soccer, rugby, basketball, baseball, field hockey, etc. Spring. Credit 2(1-4).

229a. Elementary Gymnastics. This course will include the practice and principles of tumbling, apparatus, and other skills for self-testing activities. An attempt is made to teach skill in the various activities, as well as concomitant methods of how to teach these skills in the secondary school. Fall. Credit 2(1-2).

229b. Advanced Gymnastics. Continuation of 229a. Fall. Credit 2(0-2).

Men and Women

226. Practices and Procedures in Physical Education. Winter. Credit 3(2-2).

228. Practices and Procedures in Health Education. Spring. Credit 3(3-3).

231. Principles of Physical Education. This is a theory course, which deals in the main with the philosophy of physical education, emphasizing the aims, objectives, and goals of the various phases of the field. Fall. Credit 3(3-0).

232. Recreational Leadership. The training of persons in types of recreational and play activities, methods and qualifications of recreational leaders, and the organization and administration of recreation in various agencies. Winter. Credit 3(3-0).

233. Personal Hygiene. Personal health habits, attitudes, and knowledge are stressed in this course, with the aim of improving the individual health of the college student. Special emphasis will be placed on the two outstanding collegiate health problems, mental and sex hygiene. Fall. Credit 3(3-0).

243, 244. Methods of Teaching Physical Education. This course will point out the best procedures in acquiring the desired

outcomes of physical education. Some of the class periods are spent in the actual practice of teaching physical education activities by members of the class. Methods of supervision are also treated. Winter and Spring. Credit 3(2-2) each quarter.

236. Principles of Health Education. Phases of the school health program, including health service, health instruction, healthful school living (the facilities and plant), are treated rather thoroughly, with the aim to acquaint the student with the functions, aims, program, and correlation of these aspects of the health program. School health problems are considered both from the standpoint of the classroom and health teacher and the administrator. Winter. Credit 3(3-0).

237. Community Hygiene. The field of public health as it affects community and individual health is covered, with special emphasis on the ways that the individual and community agencies may improve and maintain group hygiene. Such problems as sanitation, communicable disease, home hygiene, the functions of the school, home, and other agencies in the public health program, and the coordination of the community health program, are discussed in the course. Spring. Credit 3(3-0).

238. First Aid and Therapeutics. Theory and practice in the care of injured persons and the technique of massage for healing. Persons completing this course will receive a Red Cross Certificate. Spring. Credit 3(2-2).

245. History of Physical Education. History of the development of various systems of physical education. Course stresses the development of method as a result of response to a social need. Fall. Credit 3(3-0).

221. Human Anatomy. A general study of human anatomy with special emphasis on muscles, bones and joints. Fall. Credit 3(2-2).

222. Body Development. Study of the bodily movements, types of muscular exercise and their relation to the problems of

bodily developments. Prerequisite: P. Ed. 221. Winter. Credit 3(2-2).

223. Remedial Gymnastics. Physical examinations applicable to abnormal body conditions. The estimation of physical fitness by means of physical examinations, measurements and orthopedic tests. Prerequisite: P. Ed. 222. Spring. Credit 3(2-2).

241. Physiology. A course in elementary physiology, covering the muscular cardiorespiratory, nervous, gastro-intestinal and reproductive systems. Fall. Credit 5(5-0).

242. Physiology of Exercise. Consideration is given to the physiological adjustments of the various systems which occur during muscular activity. Winter. Credit 3(3-0).

249. Organization and Administration of Physical Education. This course deals with problems and procedures in physical education, including classification of students, organization of programs, class schedules, teaching load, equipment, records, administration of a gymnasium, etc. Fall or Winter. Credit 3(2-2).

252. Officiating in Athletic Sports. Spring. Credit 2(1-2).

253. Theory of the Dance. The purpose of this course is to develop in the student an understanding of the constructive value of the dance. Spring. Credit 3(2-2).

DEPARTMENT OF PHYSICS

Courses for Undergraduates Only

The College Physics Laboratories were designed along with the building in which they are located, and every feature is modern. The department is equipped for the study of College Physics, and with the use of the Electrical Engineering Laboratories is able to give work for study in electrical measurements.

Physics 311. Household Physics. The principle of physics applied to household devices. Special emphasis is given to the application of mechanics, heat, and electrical principles to the modern household. Fall and Winter. Credit 5(4-2).

- Physics 321, 322, 323. General Physics.** A general survey course in physics which deals with the properties of matter, the mechanics of liquids and gases, the mechanics of solids, sound and heat, optics and a general study of electricity. Fall, Winter, and Spring. Credit 5(4-2) each quarter.
- Physics 324. Advanced General Physics.** An advanced general course in physics using more rigorous methods of computation. Credit 3 hours.
- Physics 331. Electricity and Magnetism.** A presentation of the mathematical theory of electricity and magnetism. Prerequisites: Physics 323, Math. 323. Credit 5(5-0).
- Physics 332. Thermodynamics.** A presentation of the fundamental laws of thermodynamics. Study of the applications of thermodynamics to heat engines, air compression, and refrigeration. Prerequisite: Physics 323. Credit 5(5-0).
- *Physics 333. Electron Physics.** A presentation of the fundamental phenomena of electron physics. Cathode rays, charge, and mass of the electron, photoelectricity, radioactivity, thermionic emission, radiation and ionization potentials. Prerequisites: Physics 323, Math. 323. Credit 5(5-0).
- Physics 334. Photography.** A study of the optical requisites of the camera; proper exposure, development and printing; lantern slides, micro-photography, projection prints and color photography. A study of the characteristics of various photographic materials and photographic technique. Credit 5 hours.

Advanced Undergraduates and Graduates

- 501. Meteorology.** A simplified treatment of the fundamental physical laws which hold in the atmosphere and their practical working out in the usually observed meteorological phenomena. A study of weather maps and polar front analysis is included together with a discussion of the principles underlying weather forecasting, causes of weather changes and methods of forecasting. Credit 5 hours.

* Offered in alternate years. Not offered 1942-43.

- 502. Heat.** Methods of temperature measurement, specific heats, thermal expansion in solids, in liquids and in gases, conduction, radiation, kinetic theory of gases, change of state, continuity of state, thermodynamics, low temperatures, high temperatures. Credit 3 hours.
- 503. Physical and Geometric Optics.** This course shall cover the physical properties of light, velocity and methods of determining, refraction, interference, diffraction, colour, optical instruments, mirrors, lenses, photography, and the superposition of waves. Credit 5 hours.
- 504. Electrical Circuit Theory.** The electric circuit is analyzed and the differential equations are solved under the stipulated conditions. Transient and steady state conditions are evolved for circuits under varying conditions of impressed e.m.f. Prerequisite: Calculus. Credit 5 hours.
- 505. Modern Physics.** A course treating the significant advances of Physics since 1900. The course shall cover the Maxwell field equations, atomic structure, elementary quantum theory, X-rays, nuclear and molecular structure, high frequency sound. Credit 5 hours.
- 506. Theory of Atomic Structure.** The atomic theory is developed on the quantum theory. The one electron spectra, feeman effect, stark effect, coupling in atoms, energy levels and applications are treated. Prerequisite: Calculus. Credit 5 hours.

RELIGION AND ETHICS

- 231. A Guide to Bible Study.** A guide to an understanding of the Bible. The purpose of the course is to acquaint the student with the contents of the Bible and to suggest satisfactory methods of interpretation. Materials of the Old Testament. Fall. Credit 3(3-0).
- 232. A Guide to Bible Study—Part II.** This is a continuation of 231 with the use of material from the New Testament. Winter. Credit 3(3-0).

- 233. The Teachings of Jesus.** A study of the teachings of Jesus in the light of their historical setting. An attempt will also be made to answer the question, what ethical and social implications have these teachings for us today? Spring. Credit 3(3-0).
- 241. Religion and Personality Development.** An inquiry into the nature of individual religious experience as expressed in worship, prayer, conversion, etc. The function of religion in personality development and adjustment. Fall. Credit 3(3-0).
- 242. The Christian Religion and Contemporary Problems.** An attempt to define the role and function of religion in the social process. What is religion's social responsibility in the face of contemporary social problems? Winter. Credit 3(3-0).
- 243. The Negro's Church.** A study of the historical development of the Negro's church. A study of the sectarian and denominational trends. An appraisal of its assets and liabilities. Spring. Credit 3(3-0).

RESEARCH

- 245. Methods in Research.** A survey of the elementary principles of research methods with emphasis on three much-used approaches: the historical, the statistical and field work. Includes laboratory work in which individual topics will be explored. Provides an opportunity for juniors to begin work on theses in respective major fields. Spring. Credit 4(2-4).
- 246. Thesis Seminar.** Open only to seniors required to present a thesis for graduation. Each student will complete a thesis. preferably in his major field. Fall. Credit 3(0-6).

VOCATIONAL SCHOOL

I. Trades and Industries

- A. Auto-Mechanics
- C. Carpentry
- C.M. Cabinet Making and Upholstering
- S.R. Shoe Repairing
- T. Tailoring
- M.Sh. Machine Shop
- Sec. Sc. Secretarial Science
- M.B. Masonry and Bricklaying
- L. Laundry Management
- Av. Aviation Mechanics
- Pl. Plumbing

II. Short Course

- A. Agricultural

OUTLINE OF VOCATIONAL COURSES

AUTO MECHANICS

Training Objectives: This is a carefully organized course designed to prepare those young men and women so inclined to be skilled mechanics. The practical side of the course has been so emphasized that upon the completion of the trade the students will be qualified to become owners or managers of an auto service business as well as skilled mechanics in this field. A diploma will be awarded to those students satisfactorily completing the course.

Length of Course: Three years of nine months each depending upon the student's experience and ability.

Amount of time required in shop: Twenty hours per week, thirty-six weeks per year.

CURRICULUM

During the first two years in the shop the student is expected to lay a broad foundation for later specialization. To secure this end the following essential courses are recommended.

Mathematics, C. I. 335, 336	6 Hrs.
Military Science 211, 212, 213, 221, 222, 223	}
or	
Physical Education	6 "
Education 211, 212, 213	3 "
English 211, 212	10 "
Machine Shop Practice, M. E. 348, 349, 350.....	6 "
Welding 311, 313	4 "
Drawing 311, 312	6 "
Cabinet Making 311, 312	6 "
Electives	10 "

SHOP COURSES

411-A, 412-A, 413-A. During the first year the students will be trained in construction and maintenance, including: principle of operation of the engine, lubrication, washing and polishing, body and fender repairing, driving instructions, steering gears and wheel alignment, brakes, rear axles, and springs.

421-A, 422-A, 423-A. Power system including grinding of valves, adjusting bearings, fuel systems, clutches, transmission, and universals, and cooling systems. A study of the electrical system including starters, generators, ignition, batteries, wiring and lighting.

431-A, 432-A, 433-A. Trouble shooting, shop methods and management, estimating and repairing practical jobs under shop supervision.

MASONRY AND BRICKLAYING

Training Objectives: To give the students a thorough foundation and practical training to prepare them as skilled workers in the building trades.

Length of Course: Three years of nine months each depending upon the student's experience and ability.

Amount of Time in Shop: At least 20 hours per week, 36 weeks each year.

Related Subjects: Student may be required to take additional courses in English, Ed. 211, 212, 213, Business, Drawing and Mathematics and Estimating, depending upon the individual experience and training of the student, and recommendation of the faculty.

411 M. B., 412 M. B., 413 M. B. Bricklaying. Classification of materials, constructing piers, pillars, arches and walls of different bonds. Laying of brick sills for doors and windows, setting of frames, constructing flues, chimneys and vaults. Study of different types of joints, blueprint reading and the construction of scaffolds.

421 M. B., 422 M. B., 423 M. B. Stone and Hollow Tile Setting. These courses include the placing of face brick, interior glazed brick and tile walls and floors. Anchoring and setting cast stone, cut stone and hollow tile, concrete blocks and architectural terra cotta. Quoins, cornice and parapet wall construction.

431 M. B., 432 M. B., 433 M. B. Plastering, Cement Finishing and Concrete Work. These courses include a study of the use of tools, putting on laths, first coat and second coat

work, white coat and sand finishing. Marking and grading, form building and placing of concrete also effects of water ratio and mix on strength of concrete.

SHOE REPAIRING AND LEATHER WORK

Training Objectives: To give the student a practical knowledge of the subject matter as well as the necessary training in the related subjects to permit both the operation and maintenance of a shoe repairing and leather work shop, and as skill workers in the trade.

Length of the Course: Two years of nine months each.

Time in Shop: A minimum of 20 hours per week for 36 weeks each year.

Students may be required to take additional courses such as English, Business and Mathematics, etc., depending upon the individual experience and ability of the student and the recommendation of the faculty.

411-SR. Threads and Hand Tools. The study of threads, breaking threads, making waxed ends and twisting bristles on ends. Making various stitches used in hand sewing. The names, care and use of hand tools, sharpening knives and other hand tools.

412-SR. Construction. The methods of fastening the parts of shoes together. The construction of shoes is then studied to enable one to make the proper repairs. Tempering and preparing leather for soles. Cutting off old soles, skiving shanks and preparing shoes for half soles and heels.

413-SR. Processing. Ink, waxes, dyes, cement and nails are studied. Cutting sole leather to save. Fitting soles and heels for nailing. Putting lifts on wood heels. Inking, burnishing and finishing shoes on power machine. The care, operation and use of the patching machine is studied. Special attention is given to rip sewing and neat upper patching.

421-SR. Bench Work. All students having satisfactorily completed their first year course in shoe-repairing will begin their second year course with a brief review of the first year's work. Fitting half soles and heels on men's welted

shoes. Putting top lifts and half soles on women's welted shoes. Putting new bottoms on men's and women's shoes. Care and use of the buffer and burnishing wheels of finishing machines. Sewing of welts and cutting of inner soles.

422-SR. Machine Operation. Attaching wood heels on women shoes. Study and operation of the sole cementing process. Care and operation of the edge trimmer and setter. Sharpening edge cutters. Manipulation and care of the power stitcher. Stitching soles on curved and straight needle stitchers.

423-SR. Finishing and Shop Management. Problems pertaining to high-class repair work. Changing suede shoes to glazed finish. Dyeing shoes pastel shades and the reglazed process of changing colors. Problems and methods of buying materials. The operation and business methods of the modern commercial shop.

CARPENTRY

Training Objectives: This course aims to develop in the student the knowledge and skills necessary for practical work in carpentry. Related technical knowledge and English, mathematics and drafting are also included.

Length of Course: Three years of nine months each.

Amount of Time in the Shop Per Year: Twenty-five hours per week for thirty-six weeks. Total of 900 hours.

First Year

411-C, 412-C, 413-C. Bench Work. Study and use of the hand tools used in woodworking. Projects involving the various types of joints used by the carpenter. Fall, Winter and Spring.

Second Year

421-C, 422-C, 423-C. House Framing. Involving both balloon and braced frame construction. Making and placing door and window frames; covering for floors, ceiling and other interior trimming; selecting and installing of hardware. Fall, Winter and Spring.

Third Year**Fall Quarter**

431-C. Stair Building. Jobs involving the laying out, cutting and placing of straight run stringers, platform flights, dog leg flights, treads, risers, newels, skirting boards, rails, balusters, and forms for concrete work.

Winter Quarter

432-C. Roof Construction. Jobs involving the cutting, placing, and nailing of common, jack, valley and hip rafters by the use of the steel square.

Spring Quarter

433-C. Blueprint Reading and Estimating. Principles of orthographic projection. Drawing of plans and details of buildings. Estimating quantities.

CABINET MAKING AND UPHOLSTERING

Training Objective: To develop skilled workers in the manufacturing and repairing of furniture and cabinets. English, mathematics and drafting are required according to the needs of the students.

Length of Course: Three years of nine months each.

Amount of Time in the Shop Per Year: Twenty-five hours per week for thirty-six weeks. Total of 900 hours.

First Year

411-CM, 412-CM, 413-CM. Care and Use of Tools. Making of joints used in cabinet making. Constructing tabourets, tables, bookcases, and other projects involving the use of the various joints. Veneering and inlaying. Fall, Winter, and Spring.

Second Year

421-CM, 422-CM, 423-CM. Wood Turning and Finishing. Care and use of woodworking machinery. Construction of projects by use of machinery. Mixing of stains. Study of woods, their growth and structure. Estimating bills of materials. Fall, Winter, and Spring.

Third Year

431-CM, 432-CM, 433-CM. Furniture Upholstering. Tools and accessories, springing up, pillow and cushion construction, the hard stitched edge, simple and pleated buttoning. Over-stuffed furniture upholstery. Mattress making, caning and seat weaving. Fall, Winter, and Spring.

LAUNDRY MANAGEMENT

In addition to its rapid and splendid growth in the past few years, the college has increased its facilities by establishing a modern and in every way up-to-date steam laundry. The plant is built for the purpose of meeting the needs of the students and faculty; but greater than this, however, is the opportunity that it offers to students to receive instruction, along the line of commercial laundering. Each year modern equipment is added to keep the laundry up to date.

Course of Study

First Year: 411-L, 412-L, 413-L.

During the first year the student's work will consist of the following: Marking and assorting of soiled linen; classifying of various articles in the respect of type; learning how to operate and care for the marking machine; helping in the work room; learning how to operate and care for the motor-driven extractor; shaking out flat linen; feeding and folding of linen after ironing; learning how to operate and care for the dry tumbler; operating the sock machine; keeping work and marking room clean and sanitary.

Second Year: 421-L, 422-L, 423-L.

In the second year the student will concentrate his time and effort on the work room and its equipment. The operating of the work machine will be carried on in the following manner: Use of hot and cold water; taking notice of time consumed in working different kinds of linen; how and when to change water in machine: when to add soap, bleach, and blue; how to cook and use starch correctly.

Third Year: 431-L, 432-L, 433-L.

In the third year the student will be expected to complete the following: Operation of sheet units; finishing of shirts,

collars, socks, etc.; folding and classifying of underwear; operating of the Press Machine; hand ironing of various descriptions; pressing of suits; operation of the garment press; assorting and checking out of each individual package, wrapping, sealing, and delivery. Keeping of books such as student accounts, operating cost accounts, personnel management.

PLUMBING AND STEAMFITTING

Training Objectives: This course is designed to prepare those young men who wish to become skilled mechanics in the line of plumbing and steamfitting. In order to develop a high grade plumber, trainees are required to take subjects in related fields such as Estimating, Mathematics, Mechanical Drawing, Orientation, English Composition and Business Principles.

The physical condition of the applicant is to be considered, as a plumber will meet varying situations, all demanding good physique.

Length of Course: Three years of nine months each depending upon the student's experience and ability.

Amount of Time in Shops: 20 hours a week, 36 weeks per year.

Shop Courses

411-P.S., 412-P.S., 413-P.S. During the first year students will be taught history of plumbing, a definition of plumbing, development of materials, organization of plumbing industry and mathematics applied to plumbing and all plumbing practiced work.

421-P.S., 422-P.S., 423-P.S. Elementary drawing for plumbers, plan reading for plumbers, plumbing materials and practical training, fixtures and appliances generally used and care and use of tools and equipment.

431-P.S., 432-P.S., 433-P.S. Safety and accidents, prevention physics applied to plumbing and heating, water sources, sewage, disposal, plumbing laws and regulations, soil and waste lines, venting, bookkeeping and accounting elements, job records, overhead distribution and estimation. A con-

siderable amount of time will be devoted to outside business enterprises in the city. A diploma will be awarded to those students successfully completing the necessary requirements for the course.

Plumbing 311, 312, 313, are courses designed to give those students in the field of education and other vocations a thorough background in plumbing and its relationship to the building trades. Credit 3(0-6) each quarter.

TAILORING

Objectives: This course in tailoring covers three years of thorough training in making new garments, such as trousers, vests, coats and overcoats. The variety of making new garments, repairing, altering, cleaning and pressing permits arranging and carrying out the course of study which equips a student for such work as is met in commercial life.

Length of Course: Three years of nine months each depending upon the student's experience and ability.

Amount of Time in the Shop: A minimum of 20 hours per week for 36 weeks each year is required.

Related Subjects: Students may be required to take additional courses such as English, Business, Freehand Drawing and Mathematics depending upon the individual experience and the ability of the student and the recommendation of the faculty.

The course of study follows:

First Year

411-T. Care and Use of Tools. Care of shop and tools. Position on tailors board. Practice in use of needle, thimble, and the fundamental stitches which are essential to hand sewing. The stitches taught, and to be practiced are the (1) Basting stitch, (2) Padding stitch, (3) Serging stitch, (4) Felling stitch, (5) Back stitch, (6) Chain stitch, (7) Cross stitch, (8) Marking stitch, (9) Buttonhole stitch. Various types of piecework and pockets are practices. Practice in machine sewing is taught.

412-T. Introduction to Trouser Making. Studying and classifying different types of pockets. Practice in making all types of trousers pockets, such as piped pockets, side pockets, watch pockets, and flap pockets. Spacing and placing hip and side pockets. The proper methods of constructing and making trousers.

413-T. Trousers Continued. Joining and finishing uniform trousers, civilian trousers and overalls.

Second Year

421-T. Trousers Continued. Review of previous work. The sizes and lengths of trousers to be studied. The correct method of sewing on bottoms, felling certain linings, making hemmed and cuff bottoms; shaping and pressing.

422-T. Vest Making. Introduction to vest making. Studying the various styles and types of vest pockets. Studying materials. Correct method of making pockets, studying the different types of facings and fronts; making backs, making straps, padding and shaping fronts, adjusting edge stay tape, joining backs and fronts, spacing buttonholes, sewing on buttons.

423-T. Working from Drafts. Review work. Making trousers and vests from drafts, studying the styles of all garments previously made, comparing ancient and modern styles. The correct method of finishing past work in the proper manner is to be practiced.

Third Year

431-T. Coats and Overcoats. Review of previous work. Coat and overcoat making. Studying changes that affect work in citizen's garment making.

432-T. Materials and Colors. Work on ordinary citizen's garments continued. Studying grades of materials, estimate cost and quality of materials; working from drafts. Drafting trousers. Study of harmony in colors, drapery in garments.

433-T. Measuring, Drafting and Cutting. Measuring, drafting and cutting the garments studied. Students are required to make a suit to show proficiency. Study of current trade events during the year.

MACHINE SHOP PRACTICE

- 348.**
1. Bench work.
 2. Plain drilling
 3. Shaping
 4. Grinding roughing tools
 5. Plain turning between centers, cast iron, steel and soft metals
 6. Facing ends—all metals
 7. Chucking
 8. Use of outside and inside calipers
 9. Cutting off stock
 10. The use of the lathe dogs and special clamps
 11. Truing rough casting
- 349.**
1. Setting up work with use of jigs
 2. Tool making, machine taps, tempering and testing
 3. Drilling holes in sheet metal where special clamps are involved
 4. Boring deep holes on lathe with special tool
 5. Working brass and copper on the lathe
 6. Nomenclature of machines
 7. Adjusting of machines
 8. Setting up new machines
 9. Speeds and feeds for various grades of work and upon various grades of material
- 350.**
1. Making small parts for machines with use of drill press and lathe
 2. Threading pipe with pipe threading machine
 3. Job work (outside work)
 4. Operation of milling machine, key, seating, end milling, etc.
 5. Gang milling

6. Horizontal milling
7. Vertical milling
8. Gear cutting
9. Function and uses of standard machines

CERTIFICATE IN SECRETARIAL SCIENCE

Students interested in the commercial field either as secretaries or teachers are urged to complete the four-year course and graduate with a degree. In cases where this cannot be done they may complete a one-year course in this field by qualifying for the duties of the stenographer-typist.

SUGGESTED PROGRAM FOR SECRETARIES AND STENOGRAPHERS

One Year Course

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Eng. 211, 212, 213	5(5-0)	5(5-0)	5(5-0)
*B. A. 332		5(5-0)	.....
Math. 315	5(5-0)	.....	.....
Sec. Sc. 311, 312, 313	5(0-10)	5(0-10)	5(0-10)
Special Orientation Ed.	1(1-0)	1(1-0)	1(1-0)
Sec. Sc. 314, 315, 316	5(5-0)	5(5-0)	5(5-0)
Sec. Sc. 322 .....	.....	.....	5(5-0)
	21	21	21

This course is carefully planned for the purpose of training prospective candidates for various stenographic, typing, and clerical positions. Under immediate supervision students are trained to do simple routine work requiring care and accuracy in detail. Special attention will be given to instruction in preparation for Civil Service and Governmental examinations.

311. Typewriting. The beginning course covers a working knowledge of the use of all parts of the typewriter, a thorough command of the keyboard by means of the touch system, rhythmic drills and practice in spelling and division of words. Twenty-five words per minute should be obtained. Fall. Credit 5(0-10).

312. Typewriting. This course is concerned with drills, letter writing, drill placement, elimination of errors, accuracy and increasing speed to thirty-five words per minute. Prerequisite: 311. Winter. Credit 5(0-10).

* Electives may be selected from other courses in the department.

- 313. Typewriting.** Advanced and technical typewriting is emphasized by stressing stencil cutting, report making, document writing, thesis and copy work. By stressing accuracy and through speed drills a speed of sixty-five words per minute should be obtained. Prerequisite: 312. Spring. Credit 5(0-10).
- 314. Shorthand.** This course includes a study of word building and the general principles outlined in the Gregg Shorthand manual and speed studies. The first five lessons are thoroughly mastered during this quarter. Fall. Credit 5(5-0).
- 315. Shorthand.** This course is a continuation of 314 and with added emphasis on transcription of simple letters and documents. Prerequisite: 314. Winter. Credit 5(5-0).
- 316. Shorthand.** The principles are included early in this course and emphasis is placed on difficult dictation, speed test and reporting speeches. Prerequisite: 315. Spring. Credit 5(5-0).
- 317. Typewriting.** The typewriting course covers a working knowledge of the use of all parts of the typewriter, a thorough command of the keyboard by means of the touch system, rhythmic drills, practice in writing words, etc. Any Quarter. Credit 2.5(0-5).
- 318. Typewriting.** This course is concerned with tests and drills for speed and accuracy in the transcription of easy material from printed matter and shorthand notes. Prerequisite: 317. Winter. Credit 2.5(0-5).
- 319. Typewriting.** Technical typewriting is emphasized in this course by allowing the student to spend most of his time on tabulation, stencil cutting, report making and other practical duties. Prerequisite: 318. Winter. Credit 2.5(0-5).
- 321a, 321b. Office Training.** Students will be required to do practice work in the offices and plants of the college and in and around Greensboro for a period of 13 hours for one quarter. A study is also made of the executive work connected with officers of many types. Two hours each week

are devoted to discussion of the various problems found in these offices. Prerequisite: Secretarial Science 323. Fall, Winter or Spring. Credit 8(2-13). Credit, Lecture alone, 2(2-0), Laboratory alone, 6(0-13). (Work may be taken during any quarter at the discretion of the instructor.)

322. Advanced Stenography. Advanced stenography is a view of the principle and practices of shorthand and typewriting for the purpose of developing speed. Emphasis is put on the details of report making, taking dictation from speakers and other specialized fields of shorthand and typewriting. Open to all persons who have had Gregg shorthand. Prerequisite: Sec. Sc. 314, 315, 316, 317. Credit 5(5-0).

323. Secretarial Studies. This course deals with the qualification, duties, responsibilities and work of a secretary. The other points considered are: Managing callers, handling correspondence, locating sources of information, making appointments, and other routine and special duties in systematizing the office. Prerequisite: Secretarial Science 314, 315, 317, 318. Spring. Credit 6(2-8).

324. Office Appliances. The purpose of the course is to give the student a general working knowledge of the leading office machinery and equipment. Students will be instructed in the use of adding, calculating, duplicating, name and data writing, billing, miscellaneous labor-saving and book-keeping machines. This course can be given any quarter at the discretion of the instructor. Prerequisites: Sec. Sc. 317. Credit 1.5(0-3).

VOCATIONAL AGRICULTURAL SHORT COURSES

AGRICULTURAL BACTERIOLOGY

Cunningham

Farm Bacteriology. What bacteria are, how they live and grow, their effect on the soil, and soil fertility; their relation to water, water supply and sewage disposal; their effects on milk and its products and the transmissible disease of livestock are parts of the course.

AGRICULTURAL CHEMISTRY

Green and Towns

Farm Chemistry. This everyday chemistry about the farm plants and animals includes the following: Plant growth in relation to soil and air, the chemistry of digestion, mineral feeds, and mineral needs of dairy cows, protein and vitamin requirements of animals. The chemistry of commercial fertilizer and spray materials are also explained.

AGRICULTURAL ECONOMICS

McLaughlin

Farm Management. To show how various farm operations may be correlated successfully and economically. The location and the size of the farm; the crops and livestock best suited to it; the layout of the farm; the capital and equipment for the various types of farming.

Marketing Farm Products. A study of the necessary marketing services, agencies and methods. The relationship between the economical production, quality products, and a better rural social life is pointed out.

AGRICULTURAL ENGINEERING

Dean and Johnson

Farm Machinery. Farm implements such as the plow, mower, binder, corn planter, cultivator are studied and worked with to give the student a good understanding of the structure and operation of the different types.

Farm Machines and Structures. Actual work and study of leveling, subdivisions of land, water, water supply, sewage disposal, plumbing, heating, ventilation, concrete construction, thread cutting, soldering and rope work.

Farm Power. Practical work in adjusting and running the gas engine, and in locating and remedying common trouble.

AGRONOMY

Spellman

Soil Management. The soil, its origin and relation to plants and animals; conditions affecting plant growth; plant food element and crop needs. Importance of water, and tilth in agriculture, giving, relation of manure and commercial fertilizers to crop yields, and soil improvement are considered.

Field and Forage Crops. A study of varieties of field and forage crops of North Carolina are considered. A discussion of the best methods and practices in handling and improving crops are considered.

ANIMAL HUSBANDRY

Kennedy and Garrett

Animal Husbandry. A general course to give a picture of the common farm animals in their relationship to the animal kingdom. The development of our farm animals and their improvement.

Beef Cattle and Sheep Management. The selection of beef and sheep for breeding purposes.

Horse and Swine Management. The selection, care and management of the common breeds of horses and swine.

Dairy Cattle Management. The selection and management of good dairy animals.

Feeds and Feeding. Feeds and feeding with special application to farm problems.

BOTANY

Cunningham

Agricultural Botany. A brief survey of agricultural crops with relation to families and their relative importance in agriculture.

Plant Diseases. The symptoms of the common and more important plant diseases of North Carolina field crops, and grains, fruits, potatoes. Controls are considered.

Farm Forestry. The identification of trees, application of trees, and forest value, wood utilization, reforestation and the establishment and care of the farm woodlot.

ECONOMIC ENTOMOLOGY

Cunningham

Farm Insects and Control. How to know and treat the more important insect pests of farm, garden and orchard crops.

BUSINESS ENGLISH

Wise

Business English. The writing of letters, minutes of meeting reports, communications and addresses for farm organizations will be included.

HORTICULTURE

Grandy

Farm Gardening. This course considers the study of the best varieties of garden crops; Planting dates for North Carolina garden crops, Cold frames will be considered.

Horticultural Practice. A course in the handling and pruning, spraying of farm fruits.

Home Ground Improvement. Study of plants, best adapted to home ground improvement.

POULTRY HUSBANDRY

Garrett

Farm Poultry. Judging poultry for standard bred qualities, culling and judging hens for egg production, sanitation candling, grading and packing market eggs with some reference to poultry sanitation.

SOCIAL ACTIVITY

Dean, Colman and Extension Force

Parliamentary Practices. How to organize and conduct public meetings and farmer's clubs.

Rural Society. A study of local government group relationship and family relationship.

Community Music. The ways in which music may be made useful and become a vital part of the community.

VETERINARY SCIENCE

Kennedy and Cunningham

Livestock Sanitation. A discussion of the common diseases of farm animals including methods of prevention and control. For further information write:

DEAN J. C. McLAUGHLIN,
Chairman, Short Course Committee.

COLLEGE GRADUATES, 1925-1931

DEGREES CONFERRED MAY 28, 1925

BACHELOR OF SCIENCE IN AGRICULTURE

Holloway, John Henry.....	Lynn Haven, Va.
Hyman, John Christian.....	Oak City
Kelly, William Percival.....	Southern Pines
Locke, James Trevor.....	China Grove
Setzer, Earl Clinton.....	Clover, S. C.
Spaulding, Major Franklin.....	Clarkton

BACHELOR OF SCIENCE IN MECHANICS

Brown, Samuel Edward, Jr.....	Waynesville
Grandy, Walter Maxie.....	Wilson Mills
Harris, Carl Allenmore.....	Warren Plains
Harrison, Elgin Leonard	Cumnock
Jackson, Waiters Baxter	Chadbourn
Jeffers, Thelridge	Roxboro
Spearman, John Wesley.....	Scott's Hill
Tillery, Luther Birt.....	Morehead City

DEGREES CONFERRED JUNE 1, 1926

BACHELOR OF SCIENCE IN AGRICULTURE

Felder, William Hance.....	Charleston, S. C.
Foster, Charles Alfred.....	Waynesville
Griffin, Thomas Preston.....	Hamlet
Murrill, Hill Frank.....	Jacksonville
Williams, Opie Hannibal.....	Warsaw

BACHELOR OF SCIENCE IN MECHANIC ARTS

Hawkins, Washington, Jr.....	Athens, Ga.
Oliver, Jerry William.....	Almagro, Va.

DEGREES CONFERRED MAY 31, 1927

BACHELOR OF SCIENCE

Chalmers, John Daniel.....	Cameron
Clark, Southgate Gay.....	Hamlet
Givens, Jerry Lee.....	Baltimore, Md.
Harrison, John William.....	Cumnock
Sinclair, Edward Douglass.....	Chesterfield, S. C.

DEGREES CONFERRED MAY 29, 1928

BACHELOR OF SCIENCE IN AGRICULTURE

Brown, Paul Roosevelt.....	Greensboro
Twitty, James Herman.....	Bessemer City
Williams, King Agrippa.....	Blounts Creek
Williamson, Willard Houston.....	Ruffin

BACHELOR OF SCIENCE

Chandler, Harold Bertram.....	Philadelphia, Pa.
Cheatham, Ludd Nelson.....	Gumberry
Henderson, Harvey Palmer.....	Bristol, Tenn.
Lowe, Ralph Emerson.....	Pittsboro
McCormick, John Carlyle.....	Raeford
Michael, Otis Bentley.....	Asheville
Miller, Jesse.....	Lexington, Ky.
Puryear, William Henry.....	Richmond, Va.
Williams, Croxton	Marietta

DEGREES CONFERRED JUNE 4, 1929**BACHELOR OF SCIENCE IN AGRICULTURE**

Burt, Moses Cimuel.....	Gupton
Ford, Charles J.....	Roxboro
Gibson, Max E.....	Landis
Hamme, Thomas A.....	Oxford
Holt, Willard S.....	Graham
Jordan, William A.....	Beaufort
Little, Cevera R.....	Newport News, Va.
McKethan, Hector R.....	Wade
Meacham, Livie C.....	Kings Creek, S. C.
Mebane, Edmond A.....	Wilson
Smith, Leonard H., Jr.....	Tallahassee, Fla.

BACHELOR IN SCIENCE IN TECHNOLOGY

Gordon, Allison	Southport
Pitts, Walter E.....	Winston-Salem
Smith, Samuel C.....	Smyrna, S. C.

BACHELOR OF SCIENCE

Baker, Elijah J.....	Kinston
Bell, Henry R.....	Philadelphia, Pa.
Broadhurst, John W.....	Seven Springs
Daniel, John T.....	Apex
Dent, Aubrey O.....	Roanoke, Va.
Gill, James N.....	Jonesboro
Gibson, William M.....	Washington, D. C.
McLendon, Charles H.....	Badin
Whitfield, Oscar N.....	Greensboro

DEGREES CONFERRED JUNE 3, 1930**BACHELOR OF SCIENCE**

Bennett, Chester E.....	Monroe
Connor, Jesse Lee.....	Concord
Fair, Ernest Lee.....	Asheville

Faulk, Robert Leigh.....	New York, N. Y.
Goore, Horace Clarence.....	Hickory
Hester, Clarence Edward.....	Raleigh
Holt, Quince Howard.....	Graham
Kornegay, Robert Osborne.....	Mt. Olive
Lane, Allan Austin.....	Raleigh
Lane, James Freeman.....	Raleigh
Lee, Daisy Marie.....	Roanoke, Va.
McClenny, Earl Hampton.....	Marion, Ala.
Maceo, Elliott Patterson.....	Youngstown, Ohio
Wallace, Oliver Lucile.....	Greensboro

BACHELOR OF SCIENCE IN AGRICULTURE

Debnam, Edward Camillus.....	Raleigh
Dickson, John Lucius.....	Society Hill, S. C.
Harris, Roosevelt Duroy.....	Method
Howard, Clifton Eugene.....	Wilmington
Lyons, Charles William.....	Whitakers
McCoy, Alexander	Dunn
Redding, James Romeo.....	Wilkesboro
Reynolds, Theodore Matthew.....	Winston-Salem
Wilson, Raleigh William.....	Wadesboro

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Carney, James Ampler.....	Greensboro
Hargrove, Jodie Sylvester.....	Faison

DEGREES CONFERRED JUNE 2, 1931

BACHELOR OF SCIENCE

Allen, Wilbur C.....	Irmo, S. C.
Armstrong, J. Neil.....	Rogersville
Bembry, Philip G.....	Hertford
Corbett, Ellis F.....	Greensboro
DeBerry, Charles U.....	Greensboro
Gidney, Jessie Mae.....	Shelby
Jewell, Harold P.....	Cambridge, Mass.
Johnson, Minnie E.....	Lynchburg, Va.
Jordan, George R.....	Elizabeth City
Peterson, Elister L.....	Heathsville, Va.
Streater, James A.....	Sanford
Whitted, William H.....	Goldsboro

BACHELOR OF SCIENCE IN AGRICULTURE

Anderson, William P.....	Beaufort
Crenshaw, George E.....	Method
Draughan, Edward	Tarboro
Faison, Frank	Clinton

McCallum, George V.....	Guilford College
McLaughlin, John C.....	Greensboro
Pickett, Clyde W.....	Beaufort
Thomas, Jasper R.....	Burlington
Williams, Fred Allen.....	Beaufort

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Miller, Cecil C.....	Greensboro
Peddy, William A.....	Durham
Swinson, Greene T.....	Snow Hill

CERTIFICATES GRANTED THE FOLLOWING PERSONS, 1939

IN SECRETARIAL SCIENCE

Georgia Anna Hines	Julia A. Snead
Georgianna D. Irving	Veda J. Spellman
Estelle E. Smith	Sarah G. Taylor
Lillian Odessa Wright	

IN TAILORING

Charles L. Swinson	Cambridge Dancey, Jr.
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IN AUTOMOBILE MECHANICS

Hezekiah Pridgen	Charlie W. Tyson
------------------	------------------

CERTIFICATES GRANTED THE FOLLOWING PERSONS, 1940

IN AUTOMOBILE MECHANICS

Major B. Holloway	Jasper Batten
Charlie J. Cooper	Zollie Wilson
Henry M. Carlos	William Evans McRae
Gecobia Pierce	

IN SECRETARIAL SCIENCE

Elizabeth Arrington	William Clarence Haith
Elizabeth A. Bingham	Margaret H. Kennedy
Annie C. Rogers	Georgia Venters
Cora Lee Robinson*	Beatrice Carter
Odessa McAdoo	

IN SHOE REPAIRING

John Davis	Lester Shaw
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IN TAILORING

Willie F. Fogg	Isaiah E. Hines
James T. Hoggard	Alfred Smyre
Courtney L. Suggs	Larcenia G. Crump*
Mary Howard Moore	

* Special Certificate

CERTIFICATES GRANTED THE FOLLOWING PERSONS, 1941

IN SECRETARIAL SCIENCE

Hazel V. Alston	Nora E. Byrd
E. Gladys Baskerville	Jessie D. Gamble
Lucretia O. Bibbins	Etta M. Marsh
Geneva C. Brower	Rosa M. Maybrey

IN SHOE REPAIRING

Carl Renick

IN TAILORING

Walter R. Boyd

Lewis R. Hazzard, Jr.

DEGREES CONFERRED JUNE 1, 1942

RANKING STUDENTS

With Highest Honor.....	Sarah Hester Miles
With High Honor.....	James Edward Derr
With High Honor.....	Samuel Gleason Littlejohn
With High Honor.....	Francis Howard Mebane II
With High Honor.....	Hazel Price Oldham
With Honor.....	Walter Ferdinand Carlson
With Honor.....	Margaret Pearl Ellison
With Honor.....	Gerard Elmer Gray
With Honor.....	Mary Isabelle Johnson
With Honor.....	Avant Lowther
With Honor.....	Rosalie McKay
With Honor.....	John Howard Williams

ROSTER OF CLASS

BACHELOR OF SCIENCE IN AGRICULTURE

James Baird	Woodsdale
Joseph W. Barnhill.....	Wilmington
George W. Bryant.....	Battleboro
Charlie H. Daniel.....	Durham
*Dempsey P. Davis.....	Warrenton
Jethro J. DeVane.....	Kerr
Walter Gray Evans.....	Apex
William Andrew Ferguson.....	Clinton, S. C.
*Carl W. Franks, Jr.....	Polloksville
Kermit Roosevelt Graves.....	Ruffin
Claude M. Green.....	Red Springs
Walter Lee Johnson.....	Greensboro
*Shady Macon Lennon.....	Boardman
William Quentin Lennon.....	Boardman

* Degrees conferred August 25, 1942

*George Lipscombe	Blanche
James Mountain	Windsor
*Willie C. Pierce.....	Hallsboro
Onnie Lee Privett.....	Wendell
Leroy Redden	Farmville
*Earl F. Simmons.....	Greensboro
William Thebaud Tuck.....	Roxboro
Joseph A. Turner.....	Goldston
William Dorsey White.....	Windsor
Chester Wiggins	Zebulon
John H. Wright.....	Littleton

BACHELOR OF SCIENCE IN HOME ECONOMICS

Fanchon C. Bullard.....	Heardmont, Ga.
Nellie Rose Bullock.....	Jacksonville, Fla.
Elma Delois Carlton.....	Warsaw
*Truda Boyd Carter.....	Greensboro
Hilda Burnette Cheek.....	Halifax
Bernice Irene Curtis.....	Roanoke, Va.
Ellen Elizabeth Dabney.....	Petersburg, Va.
Rachel Elizabeth Duncan.....	Clinton, S. C.
Margarette Pearl Ellison.....	Greensboro
Ometta Jeanette Fitz.....	Macon
Mary Vivian Harris.....	Williamston
Hazel Price Oldham.....	Greensboro
Jessie B. Payton.....	Farmville
Melvina Rosa Pinn.....	Lynchburg, Va.
Chloteal B. Roberts.....	Greensboro
Henrietta M. Scott.....	Amelia, Va.
Doris Willette Smith.....	Norfolk, Va.
Fannie Louise Willie.....	Polloksville
Ethel Mae Wingo.....	Jacksonville, Fla.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Clarence Joseph Barnes.....	Goldsboro
David Arlington Barnhill.....	Greenville
*Mary E. Doby.....	Winston-Salem
Gertrude Evelyn Gravely.....	Martinsville, Va.
Eugene Robert Henderson.....	Jacksonville, Fla.
Elaine Lancaster Jones.....	Roanoke Rapids
*Virginia L. Turner.....	Bassett, Va.
Joseph J. Whitehurst.....	Portsmouth, Va.

* Degrees conferred August 25, 1942

BACHELOR OF SCIENCE IN COMMERCIAL EDUCATION

Hazel Vandenlandenharn Alston.....	Henderson
Catherine Louise Durham.....	Chapel Hill
*Josie McCoy Greene.....	Southport
Abigail Alexandria Little.....	Stamford, Conn.
Annie S. Wright.....	Kendall Grove, Va.
Jennie Ruth Turner.....	Anderson, S. C.
Robert Leroy Wall.....	Albemarle

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Howard Henry Daniels.....	Elkins, W. Va.
Napoleon Harold Tate.....	Goldsboro

BACHELOR OF SCIENCE IN ARCHITECTURAL ENGINEERING

Gerard Gray.....	Bennettsville, S. C.
John Howard Williams.....	Littleton

BACHELOR OF SCIENCE IN INDUSTRIAL ARTS

*William J. Jones.....	Charlotte
*Leroy Miller	Salisbury

BACHELOR OF SCIENCE IN FINE ARTS

Calla Mae Rawlings.....	Atlanta, Ga.
*Edna A. Watkins.....	Newport News, Va.

BACHELOR OF SCIENCE

James E. Aaron.....	Hamlet
*Ottis E. Alston.....	Sanford
*Jesse W. Bagley.....	Durham
*Blanche F. Barnes.....	Greensboro
Aubrey Robert Battle.....	Brooklyn, N. Y.
*Cherry Bell	Falkland
*Edward W. Bell.....	Greensboro
*Helen I. Boger.....	Greensboro
*Sarah E. Bright.....	Greensboro
*Agnes C. Browning.....	Yanceyville
Clyde Burner	Concord
*Mary L. B. Byrd.....	Edenton
Walter Carlson	Laurinburg
*Rosa Mae Carlton.....	Warsaw
Paul J. Cooper.....	Bolton
*Della E. Corbett.....	Burlington
Ruth Craig.....	Chapel Hill
*Imogene B. Crawford.....	Greensboro
Willie Currie.....	St. Pauls
Lillie C. Cobb.....	High Point

* Degrees conferred August 25, 1942

James Derr	Hickory
Minnie Mae Dowdle.....	Gaffney, S. C.
*Maude Downing.....	Mt. Vernon, N. Y.
*Minnie De Lois Edwards.....	Siler City
James V. Evans.....	Columbia, Ohio
*Hamilton E. Flowers.....	Winston-Salem
*Annie L. Foster.....	Greensboro
*Joseph J. Garvin.....	Ft. Wayne, Ind.
Warmoth T. Gibbs, Jr.....	Greensboro
Robert Gilchrist	Laurinburg
Calvin Harris	Wilkesboro
*Fannie B. Headen.....	Greensboro
*Lucy L. Hester.....	Roxboro
*Dorothy Dean Holt.....	Graham
*Eliza C. Holt.....	Graham
Mary J. Holt.....	Burlington
*Charlotte C. Hooper.....	Greensboro
*Rosena V. Hopkins.....	Summitt
*Robert Frazier Horton.....	Boone
*Elma G. Howard.....	Greensboro
*Evelyn A. Hunt.....	Danville, Va.
Howard Hunter.....	Lynchburg, Va.
*Marjorie A. Johnson.....	Stamford, Conn.
*Alverado B. Johnson.....	Greensboro
*Annie Mae Johnson.....	Tarboro
Louis R. Johnson.....	Beaufort
Mary I. Johnson.....	Greensboro
*Beatrice R. Jones.....	Greensboro
*Elbert E. Jones.....	Henderson
*Elwood J. Jones.....	Greensboro
William H. Klutz.....	Wadesboro
Aubrey Kearney	Ridgeway
*Elizabeth Krider	Salisbury
*Malta M. Levi.....	Greensboro
Dulcie Lewis	Ahoskie
Samuel Littlejohn.....	Gaffney, S. C.
Samuel Lloyd	Plymouth
*Bertha B. Lomas.....	Greensboro
Avant Lowther	Edenton
*Merle B. McRae.....	Burlington
Pearl Martin	Warsaw
Lulu M. Maddox.....	Donalds, S. C.
Rosalie McKay	Laurinburg
George McLean	Greensboro
Francis Mebane	Pantego

* Degrees conferred August 25, 1942

Sarah Miles.....	Crisfield, Md.
Walter Oldham	Greensboro
*Adele Pickard	Reidsville
*Mabel H. Poole.....	Graham
*Lena M. Purnell.....	Pocomoke City, Md.
*Olivia L. Rankin.....	Greensboro
*Frank Riddick	Pantego
*Mattie C. Robinson.....	Atlanta, Ga.
*Annie P. Rogers.....	Graham
*Mary B. Setzer.....	Greensboro
Lorenzo Shoffner	Greensboro
*Guyrene T. Simkins.....	Greensboro
Elizabeth E. Spellman.....	Elizabeth City
Priscilla A. Tarry.....	Greensboro
*Benjamin Thomas	Leland
*Virginia Belle Tillery.....	Morehead City
Dora Traynham.....	Roanoke, Va.
*Victoria M. Wade.....	Mebane
*Jennie L. West.....	Kingsport, Tenn.
*Tommie Powers White.....	Asheville
Mabel E. Williams.....	Gastonia
*Mildred L. Williams.....	Snow Hill
Margarette Wilson.....	Anniston, Ala.
Roberta Witherspoon	Greensboro
*Thomas J. Womack.....	Johnson City, Tenn.
Charles D. Wooten.....	Lexington
Thelma Worth	Rockingham
*Jane Cain Zeigler.....	Maxton

CERTIFICATES GRANTED, 1942

IN AUTOMOBILE MECHANICS

Marquis Cousins Nat Goods George A. Williams

IN BRICKLAYING

Willie Russell Moore Alus Rufus Richardson

IN SECRETARIAL SCIENCE

Winfrey George Cash Elaine Lancaster Jones
 Catherine Louise Durham Abigail Alexandria Little
 Annie Selden Wright

IN SHOE REPAIRING

Robert R. Davis Vernice Shanks

IN TAILORING

Kittie Mae Avery	Make Archie Carver
Shelton Bass	John Dorsey Clay
Edward Wilkerson Bell	Lacy Louise Crawford
Johnnie Willie Boyd	Richard Monroe Dean

IN CARPENTRY**John Franklin Massey****AWARDS, 1942**

Merrick Medal for Excellence in the School of Mechanic Arts
John Howard Williams

Spaulding Medal for Excellence in the School of Agriculture
William Andrew Ferguson

Saslow's, Inc., Medal for Excellence in the School of Education
and Science
Sarah Hester Miles

Saslow's, Inc., Medal for Excellence in the School of Social Sciences
William Henry Klutz

Jewel Box Cup for Excellence in Secretarial Science
Abigail Alexandria Little

Registrar's Award for Two Years' Meritorious service on the Staff
of "The Register"

Louise A. Caple	Abigail A. Little
Walter G. Evans	Avant Lowther
Warmoth T. Gibbs, Jr.	Francis H. Mebane II
Edna Algereta Watkins	

Philadelphia Chapter of the Alumni Association Award to Best
All-Round Athlete
James Vincent Evans

Agricultural Association Award to the Agricultural Student with
the Best Record for the First Three Years
Burleigh Carlyle Webb

Kappa Phi Kappa Debating Keys
Eva Elizabeth Spellman **Francis Howard Mebane II**

Gate City Chapter of the Alumni Association Award to the Student
Rendering the Most Distinctive and Constructive Service in
Interpreting the Ideals of the College to the Community
James Edward Derr

Speller Award for Excellence in Tailoring and Best All-Round
Scholastic Record
Edward Wilkerson Bell

George H. Keys Award in Farm Shop
Charles H. Daniels

Negro Inter-Collegiate Dramatic Association Award for Two Years
or More of Acting and Technical Work in Major Productions

Henry Herbert Joyner	Mabel Elizabeth Williams
Abigail Alexandria Little	Ethel Mae Wingo
Rosalie McKay	Major F. Reid
Henrietta M. Scott	Jane Cain Zeigler
Joseph John Whitehurst	

COLLEGE SCHOLARSHIPS

Andrew Arthur Best	James Floyd Lovell
Anne Lambe Davis	Brodus Eugene Sawyer
Anne Mary Henderson	Florence Bette Simmons
William Elbert Lee	Samuel Sanford Thomas

STUDENT ROSTER

SENIOR CLASS 1942-43

Askew, Roy W., Ag., Rt. 4, Box 119-b.....	Ahoskie
Barno, Bernard D., M. A., 109 Divine St.....	Florence, S. C.
Barnes, Oliver Anthony, Ag., P. O. Box 5275.....	Murfreesboro
Blackmore, Mankie G., Ed. & Sc., Rt. 1, Box 112.....	Warsaw
Blount, Alvin Vincent, Jr., Ed. & Sc., 2504 Joint St.....	Raleigh
Bond, Clarence Leander, Ag., P. O. Box 195.....	Lewiston
Boone, Ruby S., M. A.....	Cofield
Booth, Edward Lewis, Ed. & Sc., 617 E. Spruce St.....	Goldsboro
Boyd, Jessie Lee, Ed. & Sc., 326 Church Ave.....	Monroe
Boyer, Louise Costella, Ed. & Sc., 524 Wilson St.....	Baltimore, Md.
Bradley, Eva, Ag., 414 Liberty St.....	Marion, S. C.
Brannon, George Edward, Ed. & Sc., 697 Shaver St.....	East Spencer
Brown, Bettie Blanche, Ed. & Sc., Rt. 2, Box 288.....	Williamston
Campbell, Leroy, Ed. & Sc., Rt. 3, Box 87.....	Statesville
Cannady, Marie E., Ag., 247 P. R. St.....	Waynesboro
Carlos, Robert Andrew, M. A., 1807 Campbell St.....	Camden, S. C.
Cecil, Eddie Dallas, Ed. & Sc., 1614 McConnell St.....	Greensboro
Clark, Beatrice Daphine, Ed. & Sc., 523 South St.....	Greensboro
Clark, Lou E., M. A., 1019 S. 17th St.....	Springfield, Ill.
Cohen, William A., Ed. & Sc., P. O. Box 90.....	Chester, S. C.
Cody, Sue E., Ag., Rt. 2, Box 36.....	Reidsville
Cooper, Leonard C., Ag., 211 Sycamore St.....	Oxford
Dacons, Edsel V., Ed. & Sc., Rt. 1, Box 23.....	Hiddenite
Dacons, Thomas F., Ag., Rt. 1, Box 23.....	Hiddenite
Daniels, Willis E., M. A., P. O. Box 94.....	La Grange
Dark, Ernest Hamilton, Ed. & Sc.....	Pittsboro
Davis, Ann Lamb, Ag., 1103 Benbow Rd.....	Greensboro
Daughtrey, Elizabeth, Ed. & Sc., 100 W. 124 St.....	New York City
De Vane, Montrose L., Ed. & Sc., Rt. 1, Box 24.....	Kerr
Dickerson, Paul J., M. A., Rt. 2, Box 6-A.....	Forest City
Dupree, Ruth Bernice, M. A., 163 High St., N. W.....	Roanoke, Va.
Ellison, Henry Stevens, Ed. & Sc., 1021 Lindsay St.....	Greensboro
Felton, George Washington, Ag., Rt. 1, Box 78.....	Hertford
Felton, William A., Ed. & Sc., 20 Covent Garden St.....	Hertford
Forney, Lucile M., Ed. & Sc., 222 Horton St.....	Lenoir
Forte, John Erskine, Ag., P. O. Box 182.....	Marshville
Foy, Grace T., Ag., 1604 E. Market St.....	Greensboro
Francis, Jesse Abel, Ag., Box 81, Rt. 3.....	Enfield
Gaskin, Hubert Samuel, Ed. & Sc., 115 West 130 St.....	New York City
George, Emmett, Ag., Rt. 1, Box 171.....	Whiteville
Graham, James V., Ed. & Sc., Box 106.....	Pink Hill
Green, Elizabeth Ann, Ag., 132 Gordon Ave.....	West Babylon, N. Y.
Hagins, Sadie Lee, Ed. & Sc., 909 Lindsay St.....	Greensboro
Hannon, James Perry, M. A., Rt. 1, Box 138.....	Halifax

Harvin, Bernice R., Ed. & Sc., Rt. 1, Box 102.....	Manning, S. C.
Harris, Nauvata M., M. A., 711 Reid St.....	Greensboro
Harrison, Woodrow R., Ag.....	Cummock
Hill, Emaline E., Ed. & Sc., 119 Mitchell St.....	Greensboro
Hilliard, Marion Johnson, M. A., 18 Sykes Ave.....	Wadesboro
Holley, Herman W., M. A., 115 West Albemarle St.....	Edenton
Holley, James M., Ag., 130 E. Freemason St.....	Edenton
Holmes, Edythe Mae, M. A., 1322 W. Lanvale St.....	Baltimore, Md.
Jackson, John W., Ag., 234 Herman Ave.....	Newark, N. J.
Jackson, Wessye L., M. A.	
Jackson, Martha E., Ag., 402 W. King St.....	Kings Mountain
Jarmond, Matthew D., Ag., Rt. 3, Box 104.....	New Bern
Jeffries, Elton R., Ag., Rt. 3, Box 179.....	Mebane
Jones, Albert, Jr., Ed. & Sc., 213 East 13th St.....	Scotland Neck
Jones, Clinton E., M. A., Rt. 1, Box 15.....	Radford, Va.
Jones, James Robert, M. A., 209 N. Reed St.....	Wilson
Joyner, Henry H., Ed. & Sc., 51 Main St.....	New Bern
King, Brennan L., Ed. & Sc., 610 22nd Ave.....	Seattle, Wash.
Lane, Alberta B., Ed. & Sc., Rt. 3, Box 7.....	Laurinburg
Lawson, Beatrice, Ed. & Sc., Rt. 1, Box 74.....	Roxboro
Leonard, Joseph W., M. A., 939 S. Main St.....	Louisburg
Little, William M., Ed. & Sc., 846 Pierce St.....	Washington
Lloyd, Slay T., Ag., Star Route.....	Elizabethtown
Long, Odessa M., Ed. & Sc., 1405 Effingham St.....	Portsmouth, Va.
Love, Clarence L., Ag., Box 2-a.....	Sylva
Long, Odessa M., Ed. & Sc., 1405 Effingham St.....	Portsmouth, Va.
Lovell, James F., Ed. & Sc., P. O. Box 42.....	Pilot Mountain
Lucas, Benjamin, 131 Mitchell St.....	Greensboro
McCorkle, Stanley C., Ed. & Sc., Rt. 1, Box 196.....	Thomasville
McCray, Eddie D., Ed. & Sc., Box 365.....	Rowland
McDaniel, George Emmett, Ag., Rt. 2, Box 81.....	Dover
McDaniel, Ruby M., Ed. & Sc.....	Evington, Va.
McGhee, Lois H., Ed. & Sc., 41 Stillwater Ave.....	Stamford, Conn.
McNair, Edward, Ed. & Sc.....	Kings Mountain
Massey, Joe R., Ed. & Sc., 413 N. Center St.....	Goldsboro
Massey, John B., M. A., 143 N. Dudley St.....	Greensboro
Miller, Emma L., Ed. & Sc.....	Forest City
Miller, Geo. B., Ed. & Sc., 212 N. Forbis St.....	Greensboro
Miller, George W., Ed. & Sc., P. O. Box 344.....	Rutherfordton
Moye, Helen J., Ed. & Sc., P. O. Box 122.....	Blacksburg, S. C.
Parks, Ida D., Ag., 405 E. Walnut St.....	Wilson
Patterson, Mary L., Ag., Box 344.....	Fort Mill, S. C.
Patterson, Ornetta W., Ag., 701 9th Ave., N. W.....	Roanoke, Va.
Patterson, Virginia F., Ed. & Sc., 1323 Floyd St.....	Lynchburg, Va.
Pennix, Wilmer A., Ed. & Sc., General Delivery.....	Elon College
Peterson, Elizabeth G., Ed. & Sc., 301 Winston St.....	Thomasville
Perry, William W., M. A., 380 Port Republic St.....	Waynesboro, Va.

Pinnix, Mae Ossie, Ed. & Sc., 133½ Branch St.....	Reidsville
Pinnix, Marie L., Ed. & Sc., 133½ Branch St.....	Reidsville
Price, Mildred L., Ag., Rt. 1, Box 178.....	High Point
Reeves, James H., Ed. & Sc., 416 Beech St.....	Greensboro
Richardson, Wade A., Ag.....	High Shoals
Robinson, Forman A., Ed. & Sc., 11 Wells Ave., N. W....	Roanoke, Va.
Robinson, Hannah, Ed. & Sc., 401 Jacob St.....	Thomasville
Roland, Ada A., Ag., P. O. Box 126.....	Aurora
Ruffin, Clementine E., M. A., 1305 W. Lanvale St.....	Baltimore, Md.
Saunders, Ruth E., Ag., Brigan Cottage, Cume St.....	Asheville
Sawyer, Broadus E., Ed. & Sc., Rt. 2, Box 90.....	Pinnacle
Sawyer, Thomas C., Ag., 1016 Walnut St.....	Wilmington
Selby, Seward E., Ag., Rt. 1, Box 63.....	Swanquarter
Sessoms, Hilbert, Ag.	Columbia
Shepperson, Maude L., M. A., 414 Mass. Ave.....	Boston, Mass.
Simmons, Berta A., Ed. & Sc., 24 Clinton St.....	Inwood, L. I., N. Y.
Simmons, Ray C., Ed. & Sc., 1103 N. John St.....	Goldsboro
Simon, Clementine, Ag., 460 Salisboro St.....	Wadesboro
Smith, Helen M., Ed. & Sc., Box 275.....	Chadbourn
Smith, James W., Ag., Rt. 1, Box 86.....	Warsaw
Sowell, Rosa L., M. A., 147 Camden St.....	Newark, N. J.
Thomas, Samuel S., Ed. & Sc., 142 S. Oneida St....	St. Augustine, Fla.
Turner, Bessie O., Ed. & Sc., 710 Law St.....	Greensboro
Turner, Francis, M., M. A., 1328 Highland Ave.....	Winston-Salem
Waddell, Edward W., Ed. & Sc.....	Spindale
Waddell, Elbert E., Ed. & Sc.....	Spindale
Waltz, Geo. Steven, Ed. & Sc., 210 Mulberry St.....	Waynesboro, Pa.
Webb, Burleigh C., Ag.....	Sedalia
Wells, Theodore E., M. A., 606 Cherry St.....	Charlotte
White, George W., M.A., Branch St.....	Jacksonville
Wiley, Archie, Ag., Rt. 3, Box 95.....	Mebane
Williams, Otis A., M. A., 1105 Alder St.....	High Point
Williams, David J., Ag., Rt. 1, Box 13.....	Bolivia
Williams, Johnny A., Ag., Rt. 2, Box 69.....	Rocky Point
Wilson, Bertha L., Ed. & Sc.....	Magnolia
Wilson, George B., M. A., 2011 S. 11th St.....	Springfield, Ill.
Wilson, Robert L., Ag., 712 Person St.....	Fayetteville
Wyrick, Charles R., Ed. & Sc., 1606 E. Market St.....	Greensboro
Woods, James S., Ed. & Sc., 149 McLure St.....	Chester, S. C.

JUNIOR CLASS 1942-43

Alexander, Melvin Taylor, M. A., 708 S. Road St.....	Elizabeth City
Alston, Fannie Mae, M. A., Rt. 2, Box 249.....	Franklinton
Alston, Jeannette Louise, Ed. & Sc., 141 Harold St.....	Boston, Mass.
Alston, Hertford Ceasar, Ag., Rt. 2, Box 85.....	Sanford
Alston, John Edward, Ag.....	Franklinton

Berry, Vorheese Dorotheria, M. A., 1003 Walnut St.	Wilmington, Del.
Best, Andrew Arthur, Ag., Rt. 1, Box 125.....	Kinston
Blakeney, Preston Rudolph, M. A., 411 N. McDowell St.....	Charlotte
Bright, Artelia Novela, Ed. & Sc., Rt. 2, Box 27.....	Forest City
Booker, Margaret Ethel, Ed. & Sc., 641 Peachtree St.	Spartanburg, S. C.
Bowen, Sandra Elizabeth, Ed. & Sc., 2024 N. Cherry St.	Winston-Salem
Bowser, Willie Floyd, M. A., P. O. Box 465.....	Weldon
Bradly, Eva de Milo, Ag., 414 Liberty St.....	Marion, S. C.
Briggs, Gertrude Athelda, Ed. & Sc., Saunders St.....	Maxton
Brooks, Samuel Taylor, Jr., Ed. & Sc., 719 East 11th St.....	Lumberton
Brooks, Willie Mae, M.A., 510 Montague St.....	Raleigh
Brown, William Lester, Ed. & Sc., 512 13th N. W.....	Charlottesville
Burney, James Edward, Ed. & Sc., 25 Court St.....	Augusta, Maine
Butler, Luvenia G., Ag., 1220 E. Washington St.....	Greensboro
Butts, Willie James, M. A., Rt. 3, Box 1.....	Shelby
Camp, Joseph, M.A.....	Harris
Canada, Barbara Una, Ed. & Sc., 131 Lenox St.....	Boston, Mass.
Clayton, Wilma Dare, Ed. & Sc.....	Timberlake
Collier, Annie Aleph, Ed. & Sc., 251 Central Ave.....	Rahway, N. J.
Collier, Virginia Omega, Ed. & Sc., 251 Central Ave.....	Rahway, N. J.
Crowder, Jerry, M. A., 217 E. Myrtle Ave.....	Johnson City, Tenn.
Dale, Sallie Ethel, Ed. & Sc., 1800 E. Market St.....	Greensboro
Daniels, Claude Phillips, M. A., 26 8th St.....	Elkins, W. Va.
Dark, Ernest Hamilton, Ed. & Sc.....	Pittsboro
Davis, Florine, Ag., 125 Poe St.....	Greensboro
Dawkins, James, M. A., 675 Jay St.....	Spartanburg, S. C.
Devine, Mary Elizabeth, M. A., P. O. Box 382.....	Littleton
Douglass, Emanuel Simpkins, M. A., 846 Gray Ave.....	Winston-Salem
Earley, James Herbert, Ed. & Sc., 814 Polk St.....	Lynchburg, Va.
Eaton, Willie B., Ag., R. F. D. 1, Box 51.....	Oxford
Edwards, William Morgan, Ag., Rt. 5, Box 57.....	Henderson
Epps, Richard Henry, Ed. & Sc., 429 Bloomfield Ave...	Caldwell, N. J.
Exum, Minnie Geraldine, M. A., 403 Creech St.....	Goldsboro
Farmer, Quentin A., Ag., Rt. 2, Box 205.....	Elm City
Foggie, Margarette Anna, M. A., 215 N. Dudley St.....	Greensboro
Foster, Walter Eddie, Ag., Rt. 1, Box 11.....	Emporia, Va.
Faison, Douglas Jarvis, Ed. & Sc., Salisbury St.....	Wadesboro
Fennell, Henry Sanders, M. A., Rt. 1, Box 120.....	Willard
Fikes, Asbury, Ag.	Burgaw
Foxworth, Albert Jaye, Ag., Box 373.....	Rowland
Garrett, James Bernard, M. A., Rt. 2, Box 260.....	Ahoskie
Gatlin, Lonia Mae, M. A., Rt. 1, Box 16-A.....	Grimesland
Gearing, Roy Wesley, Ed. & Sc., 3630 Pennsylvania Ave.	East Chicago, Ind.

George, Charles P., Ed. & Sc., 610 S. Eighth St.....	Wilmington
George, Marion Columbus, Jr., Ag., Rt. 1, Box 75.....	Whiteville
Glenn, Alice Ruth, M. A., Box 44.....	Lumber Bridge
Grady, Nettie Catherine, M. A., Box 1053.....	Southern Pines
Graves, Lavita, Ag., Rt. 1, Box 178.....	Reidsville
Hamilton, Walter Lee, Jr., Ed. Sc., 913 South St.....	Norfolk, Va.
Hardy, James Edward, Ed. & Sc., 603 Gladden St.....	Washington
Henry, James Gregory, M. A., Box 315.....	Burgaw
Hill, Charles Pinyon, Ed. & Sc., 1945 7th Ave.....	New York, N. Y.
Hill, Velma, Ed. & Sc., P. O. Box 45.....	Rocky Point
Hines, Edward Louis, Ed. & Sc., 1935 E. Market St.....	Greensboro
Hinnant, Waddell, Ed. & Sc., 1300 Sloan St.....	Greensboro
Hinnant, William Vandorn, Jr., M. A., 1300 Sloan St.....	Greensboro
Holmes, Murray, Ed. & Sc., Rt. 1, Box 50.....	Maple Hill
Holt, Clarence Fisher, M. A., 1117 Downing St.....	High Point
Hooper, M. Jethro, Ed. & Sc., 159 Burton St.....	Asheville
Howard, Katherine Marie, Ed. & Sc., 415 Harvey St.....	Elizabeth City
Howard, Lois L., Ed. & Sc., 515 North Eighth St.....	Wilmington
Hyman, Frances Vivian, Ed. & Sc.....	Hobgood
Jacobs, Clemmon Lewis, Ag., 1118 S. 7th St.....	Wilmington
Jackson, Joanna Edna, Ed. & Sc.....	Meherrin, Va.
Jeffers, Luvenita, M. A., Rt. 2, Box 120.....	Roxboro
Jenkins, Rose Demoll, Ed. & Sc., 150 N. Dudley St.....	Greensboro
Jenkins, Wiley, M. A., Rt. 3, Box 98.....	Littleton
Johnson, Earl Amaedus, M. A., 916 Morris St.....	Charleston, W. Va.
Johnson, John Wesley, Ed. & Sc., 1357 5th Ave.....	Hickory
Johnson, Norman Richard, M. A., Rt. 2, Box 9.....	Summerfield
Jones, Willie Beatrice, Ag., 901 Stantonsburg St.....	Wilson
King, William Hattieway, M. A., Rt. 2, Box 260.....	St. Pauls
Lampley, Calvin Douglas, Ed. & Sc., 408 W. Rosemary St.....	Chapel Hill
Lawrence, James Harold, M. A., 423 Maple St.....	Ahoskie
Lee, Patience Delois, Ed. & Sc., P. O. Box 252.....	Pittsboro
Lee, William Elbert, Ed. & Sc., 126 E. Miller St.....	Springfield, Ill.
Lewis, Reuben, M. A., 4022 McCook Ave.....	East Chicago, Ind.
Lloyd, Slay Timothy, Ag. Star Route.....	Elizabethtown
Long, Odessa Mae, Ed. & Sc., 1405 Effingham St.....	Portsmouth, Va.
Lovette, Katie Vennie, Ed. & Sc., 304 Huffman.....	Greensboro
Mallery, Robert Edward, M. A., 28 Plymouth St.....	Brockton, Mass.
Manuel, Nola Belle, M. A., Rt. 3, Box 153.....	Greeneville, Tenn.
Mason, Ralph Curtis, M. A., 1503 2nd St.....	Rensselaer, N. Y.
McCorkle, Sinclair C., M. A., P. O. Box 72.....	Maiden
McKay, Eugene E., Ag., 411 Odd Fellow St.....	Sanford
McNeill, Booker T., Ag., Rt. 1.....	Clayton
McNeil, Esther Mae, Ag., 17 Central Ave.....	Port Washington, N. Y.
McNeil, Lulu Gladys, M. A., 21 Somersit St.....	Newark, N. J.
McNeil, William Duncan, M. A., 707 Harrison St.....	Laurinburg

Miller, Dorothy Maye, M. A., Rt. 3, Box 375.....	Greensboro
Mitchell, Warren Harding, Ag., Rt. 2, Box 288.....	Elm City
Monteiro, Julius Sacoro, Ed. & Sc., R. F. D., Box 73-A	
	West Wareham, Mass.
Moore, Lloyd W., Ag., Rt. 2, Box 90.....	Whiteville
Moore, Willie B., M. A., 1015 Greenleaf St.....	Goldsboro
Moore, Willie Edward, M. A., 616 Red Cross St.....	Wilmington
Moore, Winston M., M. A., 48 Hill St.....	Lanett, Ala.
Morris, Lewis R., Ed. & Sc., P. O. Box 491.....	Windsor
Parker, George Lee, Ed. & Sc., 1109 Morris St.....	Greensboro
Parker, Hannah E. A., Ag., Box 183.....	Jacksonville
Parrish, Edward, M. A., 228 S. Lloyd St.....	Salisbury
Payton, Carrie Belle, Ed. & Sc., Box 224.....	Grimesland
Peterson, Johny Henry, M. A.....	Newton
Pitts, Edna Mae, Ed. & Sc., 1604 Govenor St.....	Tampa, Fla.
Penn, Louise Anita, Ag., 418 Fayette St.....	M'Ville, Va.
Penn, Thomas Holman, Jr., Ed. & Sc., 170 Carter St.....	Reidsville
Peterson, Burton, Ag., 1111 Alder St.....	High Point
Powers, Lorenzo Bud, M. A., Rt. 1, Box 182.....	Wallace
Powers, James Willis, Ed. & Sc., 1350 Park St.....	Taylorsville
Press, Rudy Dahlia, Ag., Box 103.....	Chesapeake, Ky.
Reed, Samuel C., Jr., M. A., 250 Sycamore St.....	Pikeville, Ky.
Reid, William Edward, Ed. & Sc., 1402 E. Washington St.	
	Greensboro
Reeves, Ellen Theresa, Ed. & Sc., 416 Beech St.....	Greensboro
Ricks, Georgia Ella, Ag., 806 E. 8th St.....	Tuscumbia, Ala.
Robinson, William Milton, M. A., 130 W. 142 St.....	New York, N. Y.
Rohr, Leonard Carl, M. A., 699 13th Ave.....	Huntington, W. Va.
Rousseau, Odis Alexander, Ed. & Sc., 309 Chambers St.....	Statesville
Sabourin, Mildred, Ed. & Sc., 3614 Melpomene St.....	New Orleans, La.
Shivers, Julia Lorena, Ed. & Sc.....	Rocky Point
Simmons, Berta Althea, Ed. & Sc., 24 Clinton St.	
	Inwood, Long Island
Slade, Arcelia Beatrice, Ag., Rt. 2, Box 110.....	Reidsville
Smith, Grady, M. A., 345 Butternut St.....	East Chicago, Ill.
Spellman, Seth Walter, Ed. & Sc., 423 Cypress St.....	Elizabeth City
Stanford, Maleon D., Ed. & Sc., Box 151.....	Warsaw
Steele, Leon, Ed. & Sc.....	Harmony
Suber, Ivey Lee, Ed. & Sc., Rt. 1, Box 104.....	Pleasant Garden
Swann, Earl G., Ag., Rt. 3, Box 145.....	Mebane
Tann, Louis E., M. A., P. O. Box 193.....	Rich Square
Tall, Virginia M., Ed. & Sc., 345 Court St.....	Welch, W. Va.
Threadgill, Joseph T., Jr., Ed. & Sc., 582 E. 165 St. New York, N. Y.	
Thom, William T., M. A., 1103 Perkins St.....	Greensboro
Thompson, Edgar B., Ag., P. O. Box 152.....	Burlington
Thompson, Harris G., Ag., Rt. 3, Box 180.....	Lumberton
Tillett, George E., Ed. & Sc., 403 N. Groonville St.....	Edenton

Townsel, Oscar J., M. A., Box 321.....	Albemarle
Turner, Clara M., Ed. & Sc., 34 Morningside Ave., No. 8	
	New York, N. Y.
Tynes, Morris H., M. A., 1117 Benbow Rd.....	Greensboro
Watkins, Etta Aileen, Ag., Box 204.....	Tuscumbia, Ala.
Washington, Charles H., M. A., 2901 8th Ave.....	Huntington, W. Va.
William, Allen, Ag., 124 Elm St.....	Roanoke Rapids
Williams, Duncan L., Ed. & Sc., P. O. Box 123.....	Dunn
Williams, Lillian Jeffries, Ed. & Sc., 135 Beech St.....	Greensboro
Williams, Robert Lee, M. A., Box 294.....	Louisburg
Williams, Sarah Ellen, Ed. & Sc., 69 Holland Ave.....	Ardmore, Pa.
Wood, Carolyn C., Ed. & Sc., 53 Kenilwanh Pl.....	Orange, N. J.

SOPHOMORE CLASS 1942-43

Akers, George K., Ag., 238 Harrison Ave., N. W.....	Roanoke, Va.
Allen, Augusta M., Ag., P. O. Box 881.....	Southern Pines
Allen, Edward B., Ed. & Sc., 220 S. Randolph St.....	Richmond, Va.
Alston, Paul O., M. A., P. O. Box 225.....	Siler City
Anderson, Beatres, M. A., Rt. 3, Box 164.....	Mebane
Anderson, Oliver B., Ag., 910 S. Main St.....	Louisburg
Armour, Thomas M., Ed. & Sc., 2229 N. Arsenal Ave.	
	Indianapolis, Ind.
Arrington, Lois L., M. A., 114 Swann St.....	Goldsboro
Arrington, Thomas, Jr., M. A., 114 Swann St.....	Goldsboro
Atkinson, Catherine Lestyne, M. A., 1211 Greensleaf St....	Goldsboro
Bailey, Sylvester L., M. A., Rt. 2, Box 249.....	Washington
Baldwin, Luther Dowdy, M. A., Rt. 1, Box 44.....	Montgomery
Banner, Maryland Lee, Ed. & Sc., 176 S. Georgia Ave.....	Concord
Barber, Clarence L., M. A., Box 751.....	Jones
Barnes, Milton Holley, Ed. & Sc., Rt. 2, Box 367.....	Rocky Mount
Beasley, George Duke, Ed. & Sc., 1445 E. 17th St....	Indianapolis, Ind.
Becton, Thelma Ethel, M. A., 1210 Avery St.....	Morehead City
Bell, Arthur P., Ag., Rt. 1, Box 104A.....	Brown Summit
Black, Ruth, Ed. & Sc., 109 Lorners St.....	Concord
Blackmore, Mabel Pauline, Ag., Rt. 1, Box 112.....	Warsaw
Blackwood, John Lee, Ed. & Sc., P. O. Box 510.....	Lumberton
Bond, Vernon, M. A., P. O. Box 431.....	Windsor
Boone, Emma R., Ed. & Sc.....	Cofield
Bostic, Albert S., M. A., 310 S. Virginia St.....	Goldsboro
Bradshaw, William C., Ag., 750 Washington St.....	Statesville
Branche, Hattie Lee, Ag., 407 Race St.....	Farmville, Va.
Bray, Jerome Reuben, M. A., Rt. 3, Box 158.....	Siler City
Brewer, Ira, M. A., 502 Huron St.....	Kannapolis
Brewer, Joshua Henderson, Ag., Box 103.....	Chapel Hill
Bristow, William Matthews, Ed. & Sc., 415 Coolspring St.	
	Fayetteville
Brooks, William S., M. A., 127 Roberson St.....	Greensboro

Brown, Columbus Lum, Ag., Rt. 2, Box 43.....	Bladenboro
Brown, Robert Lindsay, M. A., 1540 E. 11th St.....	Winston-Salem
Brown, Samuel Lewis, M. A., 125 10th St. N.....	Birmingham, Ala.
Brown, Virginia Elizabeth, M. A., 255 Edwards St.....	Ridgewood, N. J.
Butler, Charles, M. A., 4303 Everett St.....	Pittsburgh, Pa.
Byers, Andrew, Ed. & Sc., 1337 N. 57th St.....	Philadelphia, Pa.
Byers, Vestula, Ag., P. O. Box 113.....	Shelby
Cabinass, Warren G., M. A., 403 Antrum St.....	Shelby
Cameron, Archie, M. A., Rt. 2, Box 194.....	Jonesboro
Camp, Byrd, Ag., Rt. 2, Box 59.....	Statesville
Carter, Martha Jane, Ed. & Sc., 423 High St.....	Greensboro
Chase, Perry, M. A., 618 Atlantic Ave.....	Rocky Mount
Chavis, Ruth, M. A., 204 Freeman St.....	Raleigh
Cherry, Hattie Marie, Ag., Rt. 1, Box 19.....	Windsor
Childs, Nathan Douglas, M. A., 321 6th Ave. N.....	Birmingham, Ala.
Clay, Lois Marilyn, Ed. & Sc., Rt. 1, Box 108.....	Woodsdale
Cooper, Ray M., Ed. & Sc., Rt. 1, Box 69.....	Bolton
Conpering, Virginia B., Ed. & Sc., 516 Oak St.....	Lenoir
Crocker, Violet Mae, M. A., 604 Sunset Drive.....	Chapel Hill
Crawford, Geneva P., M. A., 912 Pickard St.....	Greensboro
Cunningham, Ossie Landis, Ag., Rt. 1, Box 207.....	Virgilina, Va.
Covington, Heber Edward, M. A., 204 King St.....	Bennettsville, S. C.
Curry, Lucy Ellen, Ed. & Sc., 1354 4th Ave.....	Hickory
Davis, Horace N., M. A., Rt. 2, Box 245.....	Wilmington
Davidson, Brooks Franklin, Ed. & Sc., Rt. 1, Box 197.....	Huntersville
Dorsett, Oran K., M. A., 421 Dewitt St.....	Greensboro
Doub, Hubert, Ed. & Sc., 1625 N. Park Ave.....	Philadelphia, Pa.
Douglas, David Alvester, M. A., Rt. 1, Box 274.....	Hamlet
Dupree, Mabel Jean, Ed. & Sc., 163 High St.....	Roanoke, Va.
Edwards, Connie Lee, M. A., Rt. 1, Box 181.....	Como
Elliot, Foster, Ag., Box 94.....	Vass
Ellison, Neater Ardonis, Ag., Rt. 3, Box 21.....	Ayden
Ethangane, Mabel, M. A., 201 E. 13th St.....	Scotland Neck
Evans, Kathryn, Ed. & Sc., P. O. Box 1591.....	Durham
Faulkner, Zelma Edwina, Ed. & Sc., 622 6th St., N. W.....	Roanoke, Va.
Finnell, James A., M. A., Rt. 1, Box 18.....	Burgaw
Francis, Edward Mack, Ag., Rt. 3, Box 81.....	Enfield
Ford, William Louis, M. A., 2321 Wylie Ave.....	Pittsburgh, Pa.
Foster, Sampson Willie, M. A., 412 O'Hea St.....	Greensville, Miss.
Foster, Susie Belle, M. A., 1039 E. Washington St.....	Greensboro
Fox, Carl L., Ag., Rt. 1, Box 67.....	Walstonburg
Franks, Gwendolyn Ophelia, Ag., 1208 Gorrell St.....	Greensboro
Friday, Scotti Roger, Ag., 903 E. Boundary St.....	Charlotte
Gee, Needham, M. A., 713 Harrison St.....	Laurinburg
Gibson, John Thomas, M. A., Rt. 4, Box 165.....	Fayetteville
George, Sallie Ann, Ag., Rt. 1, Box 75.....	Whiteville
Gilliam, James, M. A., Box 424.....	Windsor

Gilmore, Edmund Walker, M. A., 308 Dickson St.....Laurinburg
 Gilmore, Hillard E., M. A., 308 Dickson St.....Laurinburg
 Gilmore, Olivia Lucille, Ed. & Sc., 2419 Charlotte St.....Greensboro
 Ginyard, Rosetta E., Ag., 217 Bingham St.....Greensboro
 Gist, Arthur T., Ag., 216 Concord St.....Spartanburg, S. C.
 Goode, James Miller, Ag., Rt. 3, Box 121.....Macon
 Gordon, Earl, M. A., Box 34.....Southport
 Gordon, Fletcher, M. A., 312 W. Harrison Ave.....Gastonia
 Goss, Pearl Corine, Ag., 310 Cannon St.....Spartanburg, S. C.
 Greene, Oreatha, Ed. & Sc., Rt. 2, Box 53.....Rocky Point
 Greensfield, Vivian Ozell, Ag., Rt. 4, Box 260.....Mt. Olive
 Griffin, Elizah Herbert, M. A., 227 Pine St.....Hamlet
 Gunn, William Hamilton, Ed. & Sc., 315 Beech St.....Greensboro
 Gupple, William James, Jr., M. A., P. O. Box 549..Bennettsville, S. C.
 Hall, Marshall Edward, Rt. 2.....Warsaw
 Harrell, Richard Henry, D. Ed. & Sc., Rt. 1, Box 130.....Corapeake
 Harris, Oliver Clarence, Ag., Rt. 2, Box 169.....Plymouth
 Harris, Oliver Clarence, Ag., 513 S. Person St.....Raleigh
 Harris, Volious Lee, M. A., Rt. 2, Box 283.....Elm City
 Harris, Willie Augustus, Ag., Rt. 2, Box 170.....Edenton
 Harrington, Arthur Douglas, M. A., 1404 Walnut Ave.

East St. Louis, Ill.

Harrison, Willorie Benjamin, M. A., Rt. 6, McConnell Road

Greensboro

Hargett, Olivia, M. A., Cove City.....Cove City
 Hawkins, Wilbert Foster, M. A., 108 Roberson St.....Chapel Hill
 Heard, Georgia W., Ed. & Sc., 89 Secession Ave.....Abbeville, S. C.
 Henderson, Anna Mary, M. A., 754 Oakland Ave.....Greensboro
 Henry, Mary, M. A., Hopedale Road, Box 333.....Burlington
 Hickman, Frances Louise, M. A., 1201 Gray St.....Greensboro
 Hicks, Evelyn, Ag., Box 286.....Milledgeville, Ga.
 Hilliard, Loran Lebouyd, M. A., 18 Syke Ave.....Wadesboro
 Hines, Valois Devaughn, Ed. & Sc., 613 Gold Leaf St.....Rocky Mount
 Holland, Gloria Swanson, Ag., 617 N. First St.....Birmingham, Ala.
 Holland, Phyllis, Ag., 720 11th St., N.....Birmingham, Ala.
 Horne, Edwin Clay, Ed. & Sc., 427 Banks St.....Greensboro
 Hood, Henrietta Roxie A., Ag., Rt. 3.....Gastonia
 Howell, Clifton O., Ed. & Sc., Box 242.....Gibsonville
 Jackson, George Robert, M. A., Rt. 2, Box 30.....Bessemer City
 Jones, Levie Woody, Ed. & Sc., 46 Lock Hart St..McKees Rocks, Pa.
 Jeffries, Odessa Beatrice, M. A., 809 King St.....Greensboro
 Johnson, George F., M. A., 615 Bladen St.....Beaufort, S. C.
 Johnson, Richard Bernard, Ag., 206 Gilmer Ave., N. W.

Roanoke, Va.

Jordan, James J., M. A., 309 N. Rotherford St.....Wadesboro
 Joyner, Edward T., M. A., 717 S. Saunders St.....Raleigh
 Kimber, Clarence Frank, Ed. & Sc., Rt. 3, Box 7.....Mebane

Koger, Helen E., Ed. & Sc., 150 Holdesby St.....	Reidsville
Kornegay, Romus Duncan, M. A., 110 Short St.....	Mt. Olive
Lanier, Harold Lewis, Ed. & Sc., Rt. 3, Box 178.....	Mebane
Lassiter, Ruby Jane, Ed. & Sc., 709 Lipscomb St.....	Wilson
Lee, John Kenneth, M. A., 1407 Gorrell St.....	Greensboro
Lewis, Ernest Butch, Ed. & Sc., 5139 Findley St.....	Seattle, Wash.
Leake, Annie Geneva, M. A., Rt. 3, Box 128.....	Wadesboro
Little, Della Marie, Ed. & Sc., Post Mice.....	Pee Dee
Linney, Atworth C., Ag., R. F. D. 1, Box 51.....	Hiddenite
Lomax, Edythe L., Ag., Rt. 1, Box 90.....	Iron Station
Loudermilk, Mary Helen, Ag., General Delivery.....	Ashboro
Lowery, Oslet F., Ed. & Sc., 106 Nocho St.....	Greensboro
Lucas, Harold C., Ed. & Sc., 131 Mitchell St.....	Greensboro
Lynn, William Henry, Ag., R. F. D. 2.....	Princeton
Manual, Carl Linwood, M. A., Rt. 2, Box 45.....	Seven Springs
Martin, Lawrence D., Ed. & Sc., 303 Beech St.....	Greensboro
Martin, Maceo C., Jr., Ed. & Sc., 205 N. Ridge St.....	Danville, Va.
Massey, Mildred V., M. A., 413 N. Center St.....	Goldsboro
Matthews, Marion M., Ed. & Sc., 919 Washington St.....	Danville, Va.
Matthews, Juanita A., Ed. & Sc., 320 2nd Terr., N.....	Birmingham, Ala.
Maynard, Lydia D., M. A., 1022 S. Cedar St.....	Greensboro
McClunon, Roscoe Bond, Ag., Windsor.....	Windsor
McClinton, Ruth Mae, Ag., 715 Reid St.....	Greensboro
McCloud, Naomi, Ed. & Sc., 692 Chestnut St.....	Greensboro
McCoy, Charles Nelson, M. A., 151 Howard St.....	Southport
McIntosh, Charles O., M. A., 430 Williams St.....	Hendersonville
McRae, Lee B., Ed. & Sc., Box 213, Maxton.....	Maxton
McKellar, Sandy, M. A., 420 Lovett Rd.....	Lumberton
Mewborn, Allen, Ed. & Sc.....	La Grange
Mills, James H., M. A., Rt. 1.....	Watha
Miller, James S., M. A., W. Gastonia P. O.....	Gastonia
Mitchell, Harrel E., Ed. & Sc., Rt. 1, Box 32.....	Ronda
Mitchell, Mamie Lee, Ag., Rt. 2.....	Elm City
Mitchell, Willie R., Ag., Rt. 2, Box 285.....	Elm City
Moore, Edna Earl, Ed. & Sc., 68 DeVane St.....	Clinton
Moore, Goldie Mae, Ag., 218 Morris Ave.....	Newark, N. J.
Moore, Roger William, Ag.....	Princeton
Murphy, Edgar D., M. A., 417 N. Davis St.....	Kinston
Murrell, Austin C., M. A.....	Polloksville
Newberry, Frederick Mc., Ed. & Sc., 1218 S. Bloodworth St.....	Raleigh
Oliver, Nathaniel, M. A., Rt. 1, Box 152A.....	Lumber Bridge
Owens, Bennie E., Ed. & Sc., P. O. Box 484.....	Roxboro
Payton, Hilda Mae, Ed. & Sc., Box 224.....	Greenville
Peggins, Alonzo M., Ed. & Sc., 202 Bynum St.....	High Point
Perry, Carl Atrice, Ag., Rt. 2, Box 274.....	Wendell
Pierce, Wilbur, M. A., Rt. 3, Box 226.....	Ahoskie
Pitt, Fred Clyde, M. A., Rt. 2, Box 11.....	Battleboro

Pope, Graham McK., M. A. P. O. Box 892.....	Wake Forest
Powers, Nettie L., M. A., Rt. 1, Box 179.....	Wallace
Powers, William H., Ed. & Sc., Rt. 1, Box 4.....	Willard
Price, Charles Dan, Ag., Galloway St., Box 161.....	Leaksville
Pryor, William Charles, M. A., 561 Frannis St.....	Pittsburgh, Pa.
Raleigh, Virginia A., Ed. & Sc., Guilford College.....	Guilford College
Randall, James Andrew, M. A., 255 York St.....	Williamsburg, Va.
Rhodes, Willie C., M. A., Rt. 2, Box 2.....	Richlands
Richardson, Mae S., Ag., Rt. 3, Box 441.....	Wadesboro
Robinson, Linwood M., Ag.....	Southern Pines
Robinson, Nettie B., Ed. & Sc., 1505 Marsh St.....	Greensboro
Rorie, Marvin B., Ed. & Sc., 805 Winchester Ave.....	Monroe
Rowe, James Allen, Ed. & Sc., 1801 Monroe St.....	Fort Wayne, Ind.
Ruffin, Gladys L., Ag.....	Windsor
Saddler, Albert H., M. A., 84½ Clingman Ave.....	Asheville
Scott, Nelda J., Ed. & Sc., 122A E. Front St.....	Florence, S. C.
Simmons, Fannie E., Ed. & Sc., Rt. 1, Box 269.....	Wadesboro
Smith, Benjamin N., Ag.....	Landis
Smith, William Amos, M. A.....	Gibsonville
Showell, Anita E., Ag.....	Wholeyville, Md.
Smyre, Lewis J., Ed. & Sc., Box 82.....	Catawba
Snowden, Rudolph W., M. A., P. O. Box 86.....	Aurora
Spuiey, Louise D., M. A., 204 N. Vick St.....	Wilson
Stewart, Robert, M. A., 236 W. 64th St.....	New York, N. Y.
Sharp, Joseph W., M. A., P. O. Box 422.....	Leaksville
Shipman, Hubert I., M. A., Rt. 1, Box 3.....	Clarkton
Suber, Mary E., M. A., Rt. 1, Box 104.....	Pleasant Garden
Simmon, Florence B., M. A., 501 Banks St.....	Greensboro
Simpson, Madie Lee, M. A., Rt. 3, Box 275.....	Dunn
Setzer, Carl Clinton, Ed. & Sc., P. O. Box 414.....	Dunn
Stephens, Ernest, M. A., 214 Duke St.....	Belhaven
Stubbs, Clifford An., M. A., 914 10th St.....	West Palm Beach, Fla.
Stubbs, Lillie Mae, Ed. & Sc., 205 Monroe Ave.....	Hamlet
Tarpley, Harold L., Ed. & Sc., Rt. 1, Box 125.....	Greensboro
Taylor, William, M. A., Rt. 1, Box 4C.....	Franklin, Va.
Thompson, Mary L., Ag., 311 Huffman St.....	Greensboro
Thomas, John W., Ed. & Sc., 1512 Summer St.....	Hammond, Ind.
Thomas, Naomi Mildred, Ed. & Sc., R. F. D. 1, Box 15.....	Bladenboro
Thompson, Andrew H., M. A., Box 562.....	Burlington
Tillman, Vera Mae, M. A., 1907 Druid Hill Ave.....	Baltimore, Md.
Tynes, Angelina V., Ed. & Sc., 1117 Benbow Rd.....	Greensboro
Underwood, Leon George, M. A., 1107 N. John.....	Goldsboro
Watkins, Harold L., Ed. & Sc., 193 Tournament St.....	Concord
Waldrow, Laura C., Ed. & Sc., 302 Alabama St.....	Salem, Va.
Watkins, Perry Windell, M. A., 2200 N. 11th St.....	Philadelphia, Pa.
Wilker, Thelma Mae, Ed. & Sc., Rt. 2, Lake St.....	Salisbury, Md.
Watkins, Robert Lee, Ed. & Sc., 4842 Alexander Ave.....	

East Chicago, Ind.

Watson, Frances J., Ed. & Sc., 461 N. John St.....	Birmingham, Ala.
Watson, Samuel J., M. A., 461 4th St., N.....	Birmingham, Ala.
Washington, Sara Lee, Ag., 1049 N. First St.....	Birmingham, Ala.
Wharton, Juanita N., Ag., 527 E. St. James St.....	Tarboro
Whitley, Arthur Lee, M. A., 412 Washington.....	Williamston
White, Julia A., Ag., 508 Cameron Ave.....	Chapel Hill
Whitted, Fletcher D., Ed. & Sc., 116 Roberson St.....	Chapel Hill
Wiley, Arvista M., Ag., Rt. 1, Box 153.....	Yanceyville
Williams, Elsie Mae, Ag., 716 Gladden St.....	Washington, D. C.
Williams, Johnnie, M. A., 1002 Salem St.....	Greensboro
Williamson, Stroud C., Ed. & Sc., Box 141.....	Yanceyville
Wilson, Minnie M., Ag., 1422 Brown Ave.....	Anniston, Ala.
Wilson, Verna Bell, M. A., Rt. 1, Box 22A.....	Grimesland
Woods, Curtis, Ed. & Sc., 3208 Emmett.....	Omaha, Neb.
Wooten, Lillian T., Ed. & Sc., Rt. 1, Box 141.....	Bladenboro
Wynn, Albert F., Ag., Box 82.....	Warrenton
York, Lloyd Wilson, M. A.....	Southern Pines
Younger, Louise E., Ag., 901A Ave.....	Norfolk, Va.

FRESHMAN CLASS 1942-43

Abernethy, Leo, M. A., Rt. 2, Box 132.....	Catawba
Aldridge, Dennis T., Ed. & Sc., 2 Franklin Terrace.....	Raleigh
Alexander, James Henry, Ed. & Sc., 214 W. Corvin St.....	Concord
Alexander, Vivian W., Ag., 803½ E. Market St.....	Greensboro
Alston, Ada L., Ag.....	Siler City
Alston, Clarence C., Ag.....	Franklinton
Alston, Julius M., M. A., P. O. Box 251.....	Littleton
Anderson, Edward L., M. A., 405 Boyd St.....	Greensboro
Anderson, Ernest, Ag., Rt. 3, Box 72.....	Mebane
Andrews, James Grant, Ed. & Sc., 611 E. 4th St.....	Winston-Salem
Bailey, Myrtle L., M. A., 1504 S. Ashe St.....	Greensboro
Baldwin, Leroy E., M. A., 800 Poplar St.....	Goldsboro
Banks, Estella Mae, Ag., Rt. 1, Box 137.....	Como
Banks, Travis L., M. A., 517 Vance St.....	Greenville
Barber, Annie M., M. A., 206 W. Pantega St.....	Belhaven
Bason, Henry B., M. A., 803 Doris Ave.....	Greensboro
Battle, Othaniel, M. A., Rt. 2, Box 151.....	La Grange
Battle, Edward, Ed. & Sc., 240 Roberson St.....	Fayetteville
Battle, Elaine, Ag., 307 Huffman St.....	Greensboro
Battle, Irene F., Ag., Rt. 2, Box 144.....	Nashville
Battle, Henry, Ag., 307 Huffman St.....	Greensboro
Bethea, Marcus R., Ed. & Sc., 562 S. Liberty St.....	Spartanburg, S. C.
Betsill, Roscoe J., M. A., 257 Concord St.....	Spartanburg, S. C.
Bluford, Eva V., Ed. & Sc., 1529 Pike St.....	Philadelphia, Pa.
Bluford, Samuel G., M. A., 1024 Harden St.....	Columbia, S. C.
Bluford, John, Ed. & Sc., 1529 Pike St.....	Philadelphia, Pa.
Boone, Rebecca, Ed. & Sc., Rt. 1, Box 81.....	Como

Boyd, William H., M. A., 308 Godwin St.....	Portsmouth, Va.
Boykin, Lula Mae, Ag., Rt. 2, Box 23.....	Clinton
Blackstock, Samuel, Ed. & Sc., Rt. 1, Box 513.....	Leaksville
Brabble, Charles S., Ed. & Sc., R. F. D. 3, Box 181.....	Portsmouth, Va.
Brady, Maude Lee, Ag., Rt. 1, Box A.....	Asheboro
Brannon, Allene, Ag., 697 Shaver St.....	East Spencer
Brown, Arthur T., M. A., 318 Washington St.....	Williamston
Brown, Caldonia R., M. A., 1429 E. 3rd St.....	Winston-Salem
Brown, Clyde H., M. A., 424 E. Liberty St.....	Charlotte
Brown, Evan, Ag., Rt. 2, Box 34.....	Clarkton
Brown, Glenn L., Ed. & Sc., Rt. 1, Box 147.....	Bladenboro
Brown, Lawrence O., Ed. & Sc., A. & T. College.....	Greensboro
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Wingo, Dorothy T., Ag., 1824 Davis St.....	Jacksonville, Fla.
Womack, James A., Ed. & Sc., Rt. 1, Box 38.....	Brown Summit
Womble, Willie A., Ed. & Sc., 204 N. E. Greenway St.....	Greensboro

Wyatt, John O., M. A., Rt. 5.....	Lexington
Yarborough, Frances J., Ag., Rt. 3, Box 13.....	Louisburg
Yourse, Albert, M. A., 227 N. Gilmer St.....	Greensboro
Young, Leonidas B., Ag.....	Hustle, Va.
Young, Robert, Ed. & Sc. 421 N. Dudley St.....	Greensboro

SPECIAL STUDENTS 1942-43

Alston, Clarence Cameron, Ag.....	Franklinton
Baird, George E., Ag., Rt. 2, Box 163.....	Woodsdale
Caldwell, William Andrew, Ed. & Sc., 160 Tournament St.....	Concord
Clark, Beatrice D., Ed. & Sc., 523 South St.....	Greensboro
Clay, Austen Burnett, Ag., Rt. 3, Box 157.....	Roxboro
Copeland, Horace Willard, Ag., Rt. 1, Box 37.....	Essex
Dean, Richard Monroe, Ed. & Sc., 144 Mitchell St.....	Greensboro
Floyd, Inez Corina, M. A., 1016 Myrtle Court.....	Greensboro
Fuller, Monroe, Ag.....	Sedalia
Galloway, Helen, M. A., 1116 E. Market St.....	Greensboro
Garrett, Dorothy Ethel, Ag., 175 Aden St.....	Spartanburg, S. C.
Hagins, Sadie Lee Whitsett, Ed. & Sc., 909 Lindsay St.....	Greensboro
Hines, Naomi Lucy, M. A., 613 Gold Leaf St.....	Rocky Mount
Jackson, Wessye L., M. A., P. O. Box 631.....	Tryon
Jeffries, John W., Sr., Rt. 3, Box 179.....	Mebane
Johnson, John Freeman, Ed. & Sc., 206 Moore St.....	Durham
Lea, Ruth Signora, Ag., Sal-Mar., Rt. 2.....	Danville, Va.
Mebane, Alberta Peace, Ed. & Sc., Rt. 3, Box 158.....	Greensboro
Norris, Catherine, Ed. & Sc., Rt. 5, Box 393.....	Greensboro
Otey, Carolyn Law, Ed. & Sc., 226 N. Gilmer.....	Greensboro
Penn, Mamie Alberta, Ed. & Sc., 1602 McConnell St.....	Greensboro
Pierce, Ada Gertrude, M. A., Rt. 1, Box 248.....	Evergreen, Ala.
Rawls, John Cadmus, Ed. & Sc., 748 Arrendondo St.....	Gainesville, Fla.
Rice, Letha Ann., M. A., 523 Thomas St.....	Greensboro
Salter, Gillie Neal, Ag., Rt. 1, Box 44.....	Gibsonville
Sellers, Mary Edith, M. A., Glencoe Rd.....	Burlington
Sherard, Rebecca Ruth, M. A., 109 Butler St.....	Anderson, S. C.
Spellman, Priscilla, Ed. & Sc., 502 Benbow Rd.....	Greensboro
Swann, Ernest, Jr., Ag., Rt. 1, Box 20.....	Blanch
Thornton, James Robert, Ag., Rt. 3, Box 17.....	Enfield
Truesdell, Catherine Douglas, M. A., 1927 E. Market St.....	Greensboro
Waddell, Thelma Eugene, Ed. & Sc., 13 Therland St.....	Asheville
Williams, Lillian Jeffries, Ed. & Sc., 135 Beach St.....	Greensboro
Williams, Lucille Alethia, Ed. & Sc., 23 First St.....	Charleston, S. C.
Young, Annie Evelyn, M. A., 303 Duncan St.....	Spartanburg, S. C.

GRADUATE STUDENTS 1942-43

Baker, Alpha West, Ed. & Sc., 161 N. Dudley St.....	Greensboro
Barrett, Commodore A., Ag., 745 Frank St.....	Greensboro
Clapp, Willie Arthur, Ed. & Sc., 1916 Gorrell St.....	Greensboro

Cooper, Mamie R., Ed. & Sc., 1021 Lindsay St.....Greensboro
 Donnell, Pauline Alston, Ed. & Sc., 1411 Gorrell St.....Greensboro
 Forney, Cornelia Thomson, Ed. & Sc., 105 N. Dudley St..Greensboro
 Grant, Ernest Elisha, Ag.....Liberty
 Hopkins, Rosena V., Ed. & Sc., Rt. 1, Box 24a.....Greensboro
 Humphrey, Thomas Elliot, Ag., 1407 Gorrell St.....Greensboro
 Jones, Beatrice Rosalia, Ed. & Sc., 211 N. Gilmer St.....Greensboro
 Jones, Mamie B. Hariston, Ed. & Sc., 1108 Gorrell St.....Greensboro
 Johnson, W. T., Ag., 506 Logan St.....Greensboro
 Plummer, Berta Lee, Ed. & Sc., 128 N. Booker St.....Greensboro
 Strickland, Irene Rogers, Ed. & Sc., 1021 Lindsay St.....Greensboro
 Tarpley, Lucille Cleo, Ed. & Sc., 1102 Gorrell St.....Greensboro
 Taylor, Lelia Sharpe, Ed. & Sc., 222 N. Regan St.....Greensboro
 Thomas, Samuel Sanford, Ag., 142 Oneida St.....St. Augustine, Fla.

FIRST SUMMER SESSION 1942

Aaron, James Edward, Rt. 1, Box 175.....Hamlet
 Alston, Ottis Edward, Rt. 5.....Sanford
 Anderson, Oliver Brenston, 211 N. Dudley St.....Greensboro
 Askew, Roy Washington, Rt. 1, Box 119B.....Ahoskie
 Bagley, Jesse W., 1415 Pine St.....Durham
 Bailey, Angeline Elaine, P. O. Box 373.....Wilson
 Banks, Norma Olene, 1607 Rogers St.....Greensboro
 Banner, Mary Elizabeth, 176 S. Georgia Ave.....Concord
 Barber, Sara L. Johnson, 912 Benbow Road.....Greensboro
 Barnhill, Abigail Brunetta, Box 71.....Troy
 Barnes, Blanche Marie, 615 Bennett St.....Greensboro
 Barnes, Oliver Anthony.....Murfreesboro
 Beaver, Alzene Redd, 112 Echols St.....Martinsville, Va.
 Bell, Cherry, P. O. Box 62.....Falkland
 Bell, Edward Wilkerson, 319 Beech St.....Greensboro
 Blue, Ida Mamie, 831 S. Main St.....Darlington, S. C.
 Boger, Inez, 700 Benbow Rd.....Greensboro
 Bond, John Britton, P. O. Box 195.....Lewiston
 Boone, Ruby Stein.....Cofield
 Boyd, Jesse Lee, 326 Church Ave.....Monroe
 Boyer, Louise Costella, 1531 McCulloh St.....Baltimore, Md.
 Brewer, Flossie, Box 12.....Asheboro
 Bright, Sarah Elizabeth, 1116 Perkins St.....Greensboro
 Brooks, Ella Mae, 1205 Gorrell St.....Greensboro
 Brotherton, McLean Katie J., P. O. Box 412.....Lumberton
 Brown, Anne Harris, 723 West St.....Charlottesville
 Brown, Bette Blanche, Rt. 2, Box 288.....Williamston
 Brown, Josephine Elsie, 1804 Nelson St.....Greensboro
 Brown, Mary Elizabeth Louther, Rt. 2, Box 301.....Edenton
 Browning, Agnes B., Box 86.....Yanceyville
 Bunn, Arabia Ethel, 421 School St.....Goldsboro

Campbell, Leroy, Rt. 3, Box 87.....	Statesville
Capel, Effie Mayo, 309 Salisbury St.....	Wadesboro
Caple, Louise Althea.....	Madison
Carlton, Rosa N., Rt. 1, Box 68.....	Warsaw
Carter, Alberta B. Lane, Rt. 3, Box 7.....	Laurinburg
Carter, Truda Boyd, 1210 E. Washington St.....	Greensboro
Chambers, Hazel Leola, General Delivery.....	Winston-Salem
Clark, Beatrice D., 523 South St.....	Greensboro
Clark, Lou Earl, 1019 S. 17th St.....	Springfield, Ill.
Clark, Richetta E., Box 756.....	Reidsville
Collins, Nannie C.....	Burlington
Corbett, Della E., P. O. Box 815.....	Burlington
Cousar, Vergie L., 808 N. York St.....	Gastonia
Cox, Oddie J., Nathan's Creek, N. C.....	Nathan's Creek
Craige, Hazel F., 200 Mitchell St.....	East Spencer
Crawford, Imogene B., 151 N. Dudley St.....	Greensboro
Crump, Lucille, 1316 N. Highland Ave.....	Winston-Salem
Daniels, Claude P., 26 8th St.....	Elkins, W. Va.
Davidson, Mary Willie, 1315 Beatties Ford Rd.....	Charlotte
Davidson, Evelyn, 1316 Beatties Ford Rd.....	Charlotte
Davis, Dempsey P., R. F. D. 1, Box 108.....	Warrenton
Day, Juanita, 142 Mitchell St.....	Greensboro
Daye, Margaret Lorine Hazel.....	Burlington
Dean, Richard Monroe, 144 Mitchell St.....	Greensboro
Derr, James E.....	Hickory
Dillard, Katrine I., 713 S. Ashe St.....	Greensboro
Dillard, Susie, 399 Harriston St.....	Reidsville
Dillard, Zora Kemp, P. O. Box 486.....	Waynesville
Dixon, Miss Hattie L., 549 E. Nash St.....	Wilson
Dobbs, Lillie K., Rt. 2.....	Reidsville
Dougherty, Mae Fannie H., 609 Pine St.....	Hamlet
Downing, Maude, 153 S. 10th Ave.....	Mt. Vernon, N. Y.
Dula, Evalee C., Rt. 4, Box 159.....	Lenoir
Dumas, Althea A., 69 St. Catherine St.....	Natchez, Miss.
Dupree, Ruth B., 163 High W., N. W.....	Roanoke, Va.
Doby, Mary E., 21 Kirtwood St.....	Camden, S. C.
Edwards, Delois M., P. O. Box 11.....	Siler City
Exum, Sual E., 104 Wallace St.....	Farmville
Erwin, Nannie Mae, 114 Jones St.....	Morganton
Ethangane, Mabel, 201 E. 13th St.....	Scotland Neck
Forney, Millie L., 222 Horton St.....	Lenoir
Fikes, Asbury, Post Office.....	Burgaw
Flowers, Annie, 335 Salisbury St.....	Wadesboro
Flowers, Hamilton E., 1915 E. 14th St.....	Winston-Salem
Flowers, Ola	Morven
Floyd, Erma M., 1011 Grinnett St.....	Augusta, Ga.
Foggie, Margarette A., 215 N. Dudley St.....	Greensboro

Forte, John E., P. O. Box 182.....	Marshville
Foster, Annie L., 509 Boyd St.....	Greensboro
Foster, Carlotta, 200 4th St., West View.....	Martinsville, Va.
Fowlkes, Jessie A.....	Leaksville
Franks, Carl W., Rt. 1, Box 39.....	Polloksville
Francis, Jesse A., Rt. 3.....	Enfield
French, Robenia T., Rt. 3.....	Sanford
Gant, Mabel H.....	Burlington
Garvin, Joseph J., 2032 LaFontaine St.....	Fort Wayne, Ind.
Gaston, Rose Agnes, 503 11th St.....	Hickory
Gillespie, Ellie L.....	Troy
Glover, Mary M. T., 527 South St.....	Greensboro
Goff, Erlene, 2307 Laurel St.....	Columbia, S. C.
Gorham, Willie Mae, 224 W. 9th St.....	Washington
Grady, Nettie C., Box 1053.....	Southern Pines
Graham, James V., Box 106.....	Pink Hill
Graves, Addie L., Box 343.....	Gibsonville
Graves, Elma Theala, Box 343.....	Gibsonville
Greene, Josie McCoy, Box 151.....	Southport
Hardy, Louise W., P. O. Box 253.....	Asheboro
Hagins, Sadie L., 909 Lindsay St.....	Greensboro
Hairston, Ludie C., P. O. Box 14.....	Martinsville, Va.
Hamlin, Helen Willie, 1105 Logan St.....	Greensboro
Harper, Annie L. Smith, Rt. 4, Box 113.....	Lenoir
Harrington, Arthur Douglass, 1404 Walnut Ave.....	East St. Louis, Ill.
Harris, Augusta O., 508 Stewart St.....	Greensboro
Harris, Nauvata M., 711 Reid St.....	Greensboro
Harris, Roberta L., 711 Reid St.....	Greensboro
Headen, Fannie Beatrice, 807 Bennet.....	Greensboro
Hemphill, Myrtle C., P. O. Box 88.....	Old Fort
Henderson, Anna Mary, 754 Oakland Ave.....	Greensboro
Herring, Naomi, Rt. 4, Box 70.....	Clinton
Hester, Lucy Louise, Durham Rd.....	Roxboro
Hill, Emaline Evon, 119 Mitchell St.....	Greensboro
Hillard, Marion Johnson, 18 Sykes St.....	Wadesboro
Holland, Phillis, 720 11th St., N.....	Birmingham, Ala.
Holley, Herman Welch, 115 W. Albemarle St.....	Edenton
Holley, James Melvin, 130 E. Freemason St.....	Edenton
Holman, Marguerite Lucille, P. O. Box 64.....	Laurinburg
Holt, Dorothy Dean, Box 117.....	Graham
Holt, Eliza C., Rt. 1, Box 178.....	Graham
Holt, Lizzie L.....	Gibsonville
Hooper, Charlotte Carrington, 1705 Spencer St.....	Greensboro
Hoover, Annie Mae, 626 Royal St.....	East Spencer
Hopkins, Rosena V.....	Brown Summit
Howard, Elma Geraldine, 910 Johnson St.....	Greensboro
Howell, Helen Smith, 101 Grove St.....	Asheville

Hunt, Evelyn Allen, 503 N. Holbrook St.....	Danville, Va.
Hyman, Frances Vivian, Box 190.....	Hobgood
Isley, Alberta E., R. F. D., Box 242.....	Graham
Jackson, Irma Lucille, 515 E. Henry St.....	Savannah, Ga.
Jackson, Wessye, Box 631.....	Tryon
Jaffirs, Hattie Louis, Rt. 1, Box 106.....	Blanch
Jefferies, Annie Davis, 171 Carter St.....	Reidsville
Jenkins, James Martin.....	Cameron
Johnson, Alverado Brooks, Rt. 1, Box 4.....	Greensboro
Johnson, Annie Mae, Rt. 1, Box 116.....	Tarboro
Johnson, Arthur J., 1894 N. W. First Ave.....	Miami, Fla.
Johnson, Julia Harrison, Happy Plains School.....	Taylorsville
Johnson, Marjorie Alice, 45 Diaz St.....	Stamford, Conn.
Johnson, Mary Wilson.....	Asheboro
Johnson, Ollie Mae, 135 5th Ave.....	Hickory
Johnson, Zimmie Bernard, 114 W. South St.....	Raleigh
Jones, Beatrice Rosalie, 211 N. Gilmer St.....	Greensboro
Jones, Daisybelle, 1215 16th St.....	Lynchburg, Va.
Jones, Hortense Estelle, 317 N. Beech St.....	Greensboro
Jones, Queenie Elizabeth, 300 Jefferson Ave.....	Buffalo, N. Y.
Jones, Elbert Ellery, Rex Cafe, Montgomery St.....	Henderson
Jones, Elwood Jennings, 530½ High St.....	Greensboro
Jones, William James, 326 Cemetery Ave.....	Charlotte
Jones, Willie Beatrice, 901 Stantonsburg St.....	Wilson
Kemp, Minnie Mae Reeves, P. O. Box 486.....	Waynesville
Kirk, William Frank, Box 414, Kingville.....	Albemarle
Koontz, Blondine Taylor, 1947 E. Market St.....	Greensboro
Koger, Louise, 150 Holderby St.....	Reidsville
Kress, Fannie Belle, 607 Fairview St.....	High Point
Krider, Elizabeth, Box 874.....	Salisbury
Lawson, Daphne Nesbeth, 1008 East Bragg St.....	Greensboro
Lawson, Beatrice, Rt. 1, Box 74.....	Roxboro
Ledbetter, Elizabeth Mitchell, 18 Lodge St.....	Wadesboro
Levi, Malta McDonald, 711 Reid St.....	Greensboro
Lee, John Kenneth, P. O., Box 921.....	Hamlet
Lennon, Macon Shady, Rt. 1, Box 24.....	Boardman
Lilly, Mary Reid, 307 Salisbury St.....	Wadesboro
Lindsey, Millie, Rt. 5, Box 185.....	Reidsville
Link, Rosebud Lucille.....	Iron Station
Lipscombe, George Pinkney, Rt. 1, Box 226.....	Blanch
Little, William Matthew, 846 Pierce St.....	Washington
Long, Odessa Mae, 1405 Effingham St.....	Portsmouth, Va.
Love, Clarence Lockwood, Box 2A.....	Sylva
Lyles, Rachel V. Greene.....	Pomona
Massey, John Franklin, P. O. Box 292.....	Salisbury
Matthew, Juanita Andre, 320 2nd Terrace N.....	Birmingham, Ala.
McArthur, Lehanian Wendell, Rt. 1, Box 144.....	Maxton

McCloud, Naomi, 162 South St.....	Mt. Airy
McCorkle, Sinclair Crosby, 1100 Spring Garden St.....	Greensboro
McCorkle, Stanley Chavis, 702 Peace St.....	Thomasville
McCoullough, Chester Allen Arthur, P. O. Box 441.....	Salisbury
McDaniel, Ruby Mae.....	Evington, Va.
McGuffin, Thelma Lorens, 2204 N. Main St.....	South Boston, Va.
McKethan, Glennia Mae, 211 N. Dudley St.....	Greensboro
McLean, George Clifton, Jr., 1012 E. Market St.....	Greensboro
McLean, Maggie B., P. O. Box 412.....	Lumberton
McMillan, Lena B. McCallom, Rt. 7, Box 275.....	Greensboro
McMurray, Verda Mae, Rt. 3, Box 212.....	Greensboro
McNair, Dorothy E., 628 Mechanic St.....	Fayetteville
McNeill, Lessie E., 163 W. McCulloch St.....	Greensboro
McRae, Geneva Brincefield, Box 147.....	Reidsville
McRae, Merle B., P. O. Box 31.....	Burlington
Miller, Emma Lona, Rt. 2.....	Forest City
Miller, Elijah Thomas, 2060 N. Cherry St.....	Winston-Salem
Miller, George Bruce, 212 N. Forbis St.....	Greensboro
Miller, Leroy, P. O. Box 916.....	Salisbury
Miller, Mittie Mae, 600 Sycamore St.....	Danville, Va.
Miller, Susie A., 2409 Albany St.....	Brunswick, Ga.
Mitchell, Mae Fonville, 1308 Lindsay St.....	Greensboro
Mitchell, Mary Phillips, Box 131.....	Graham
Mitchell, Talmadge Talliferro, 1308 Lindsay St.....	Greensboro
Moffit, Mattie A., 907 Lincoln St.....	Greensboro
Moye, Helen Janet, Box 122.....	Blacksburg, S. C.
Nelson, Lillian Dillard, 713 S. Ashe St.....	Greensboro
Newby, Stella Gilmer, 224 Regan St.....	Greensboro
Oldham, Veola, 1209 Gorrell St.....	Greensboro
Oldham, Walter Julian, 1209 Gorrell St.....	Greensboro
O'Neill, Rovenia S., 415 N. Greene St.....	Morganton
Otey, Carolyn Law, 226 N. Gilmer St.....	Greensboro
Owens, Freda Mae, 1812 N. Main St.....	South Boston, Va.
Patterson, Mary Lee, Box 344.....	Fort Mill, S. C.
Patterson, Virginia Frank, 1323 Floyd St.....	Lynchburg, Va.
Pearl, Madeline Frances, 527 Best St.....	Greensboro
Penn, Eloise Logan, 330 Bragg St.....	Greensboro
Perry, Emma, State Teacher's College.....	Fayetteville
Perry, Emma (Bennett College).....	Clinton
Peterson, Branton, 1111 Alden St.....	High Point
Pettway, Julia Holt.....	Mebane
Pickard, Adele, 307 Harrison St.....	Reidsville
Pierce, Willie Caldwell, Rt. 1, Box 191.....	Hallsboro
Pinnix, Mae Ossie, 133½ Branch St.....	Reidsville
Pinnix, Marie Lemma, 1133½ Branch St.....	Reidsville
Poole, Mabel Harden, Box 684.....	Graham
Powell, Lola M., 264 Washington Ave.....	Reidsville

Pridgen, Lucy Wood, 900 Benbow Rd.....	Greensboro
Punnell, Lena M.....	Pocomoke City, Md.
Putnam, Helen Sexton, 3 Russell St.....	Laurens, S. C.
Rankin, Olivia L., 1609 McConnell Rd.....	Greensboro
Reid, Lillian Russell P., 110 Cherry St.....	Covington, Va.
Rice, Grady George.....	Quitsna
Richardson, Mae Shepard, Rt. 3, Box 441.....	Wadesboro
Riddick, Frank	Pantego
Rikard, Carrie Elizabeth.....	Prosperity, S. C.
Rohr, Leonard Carl, 699 13th Ave.....	Huntington, W. Va.
Roberts, Mae Sue, Rt. 1, Box 97.....	Shelby
Roberts, Mildred Clarine, 2012 Hassell St.....	Greensboro
Robinson, Foman Augusta, 11 Wells Ave., N. W.....	Roanoke, Va.
Robinson, Mary Lucille, 408 Blackwell St.....	Waycross, Ga.
Robinson, Mattie Clyde Brown, 60 Griffin St., N. W.....	Atlanta, Ga.
Robinson, Ruby Harris, 408 Banks St.....	Greensboro
Ruffin, Clementine Edythe, 1305 W. Lanvale St.....	Baltimore, Md.
Sapp, William Earl, Rt. 7, Box 261.....	Greensboro
Saunders, Ruth Elizabeth, P. O. Box 152.....	Summerville, S. C.
Sellears, Maggie Corrine, P. O. Box 752.....	Burlington
Setzer, Mary J. Brown, 1130 Broad St.....	Greensboro
Sharpe, M. Pauline, 417 DeWitt St.....	Greensboro
Shaw, Gladwin Stedman.....	Elizabeth
Shaw, Lillian W., Box 274.....	Burgaw
Shivers, Julia Laura, Box 471.....	Rocky Point
Simkins, Gloria Alene.....	Greensboro
Simkins, Guyrene Tyson, 161 N. Dudley St.....	Greensboro
Simmons, Earl Franklin, Rt. 3, Box 9.....	Kinston
Simmons, Earsie Lee, 25 Cooper St.....	Charleston, S. C.
Simon, Jannie Ruth, 460 Salisbury St.....	Wadesboro
Simons, Pearl, Jr., Marshall, Rt. 1, Box 269.....	Wadesboro
Smith, Helen Mae, 363 Regan St.....	Greensboro
Stanford, Maleon Dorsette, Box 151.....	Warsaw
Stewart, Blanche Geraldine, 33 Ballard St.....	Wadesboro
Summers, Louise Hooper, 406 Beeche St.....	Greensboro
Tate, Addie Wallace.....	Randleman
Thomas, Benjamin	Navassa
Tillery, Virginia Bell, 505 Fisher St.....	Morehead City
Tillett, George Edward, 403 N. Granville St.....	Edenton
Tolton, Esther Viola, 815 Woodland Drive.....	Sedalia
Trollinger, Leora Everett, P. O. Box 502.....	Graham
Tuck, Gladis, Rt. 2, Box 68.....	Roxboro
Turner, Bessie Odessa, 710 Law St.....	Greensboro
Turner, Clara M., 34 Morningside Ave., Apt. 8.....	New York, N. Y.
Turner, Francis Matthew, 1328 Highland Ave.....	Winston-Salem
Turner, Virginia Lee, R. F. D. 2, Box 4.....	Bassetts, Va.
Villines, Lottie, Rt. 2, Box 129.....	Hurdle Mills

Wadell, Thelma Eugene, 13 Therland Ave., P. O. Box 4154.	Asheville
Wade, Victoria Martin, Rt. 4, Box 28.	Mebane
Watkins, Edna A., 1235 30th St.	Newport News, Va.
Watkins, Lessie Street, 725 Gillespie St.	Greensboro
Watlington, Pearl Blanche, Rt. 3, Box 212.	Greensboro
Webster, Helen Lucretia, 219 N. Dudley St.	Greensboro
West, Jennie Louvenia, 442 N. Dudley St.	Greensboro
Westerband, Geraldine Gorum, 301 Stewart Ave.	Rockford, Ill.
White, George W.	Jacksonville
White, Mary Jane, 310 W. Allison Ave.	Gastonia
White, Thomas Powers, 74 Hill St.	Asheville
Whitlock, Evelyn Virginia.	Paces, Va.
Whitted, Grace Moore, Box 141.	Graham
Wiley, Archie O'Harrow, Rt. 3, Box 95.	Mebane
Williams, Consuela, R. F. D. 1, Box 110.	Leaksville
Williams, Harold Hasbrook.	Sneads Ferry
Williams, Lillian Jeffries, 135 Beech St.	Greensboro
Williams, Lucille Alethia, 23 First St.	Charleston, S. C.
Williams, Matthew, Jr., 311 Bennett St.	Greensboro
Williams, Mildred Louise.	Snow Hill
Wilmer, Elsie J., 324 Bradley St.	Danville, Va.
Wilson, Bertha L.	Magnolia
Wilson, Malissa Estles, P. O. Box 106.	Easley, S. C.
Withers, Robert B., 519 Bennett St.	Greensboro
Wilson, Mary Horne.	Biscoe
Womack, Thomas Jerry, 807 N. Boone St.	Johnson City, Tenn.
Wood, Lavenia Ferne, 223 East Gaston St.	Greensboro
Young, Cecil Thomas, 812 Kenmore Ave.	Louisburg
Young, Katheleen Harbinson, 411 W. Concord St.	Morganton
Young, Theda Bara, 625 Arch St.	Henderson
Zeigler, Jane C., P. O. Box 301.	Maxton
Zoller, Hattie P., P. O. Box 487.	Reidsville

SECOND SUMMER SESSION 1942

Aaron, James E., Rt. 1, Box 175.	Hamlet
Anderson, Oliver B., 211 N. Dudley St.	Greensboro
Bailey, Angeline, P. O. Box 373.	Wilson
Bagley, Jesse W.	Durham
Banks, Norma Olene, 1607 Rogers St.	Greensboro
Banner, Mary E., 176 S. George Ave.	Concord
Barnes, Blanche M., 615 Bennett St.	Greensboro
Barnes, Oliver A.	Murfreesboro
Bass, Geneva	Greensboro
Beaver, Alzene R., 112 Echols St.	Martinsville, Va.
Bell, Edward, 319 Beech St.	Greensboro
Blue, James H.	Troy
Blue, Ida Mamie, 831 S. Main St.	Darlington, S. C.

Boger, Helen Inez, 700 Benbow Rd.....	Greensboro
Bohannon, Helen Deller, 714 W. Monroe St.....	Salisbury
Bond, John B., P. O. Box 195.....	Lewiston
Boone, Ruby Stein.....	Cofield
Boyd, Jessie Lee, 411 Stedman St.....	Greensboro
Boyer, Louise C., 1521 McCulloh St.....	Baltimore, Md.
Brewer, Flossie, 429 Deloach St.....	Asheboro
Bright, Sarah E., 1116 Perkins St.....	Greensboro
Brown, Annie Harris, 733 West St.....	Charlottesville, Va.
Brown, Bettie Blanche, Rt. 2, Box 288.....	Williamston
Byrd, Mary E., Rt. 2, Box 301.....	Edenton
Bunn, Arabia, 421 School St.....	Goldsboro
Campbell, Leroy, Rt. 3, Box 87.....	Statesville
Caple, Louise Althea.....	Madison
Carlton, Rosa Mae, Rt. 1, Box 68.....	Warsaw
Carter, Truda Boyd, 1220 E. Washington St.....	Greensboro
Clark, Beatrice D., 523 South St.....	Greensboro
Clark, Earl Lou, 1019 South 17th St.....	Springfield, Ill.
Clark, Richetta V., Box 756.....	Reidsville
Corbett, Della E., P. O. Box 815.....	Burlington
Crawford, Imogene B., 151 N. Dudley St.....	Greensboro
Daniels, Claude P., 26 8th St.....	Elkins, W. Va.
Davenport, Vernice F., Rt. 1, Box 213.....	Keysville, Va.
Davis, Dempsey Plummer, Rt. 1, Box 108.....	Warrenton
Davis, Mittylee B., 235 S. Church St.....	Union, S. C.
Day, Juanita M., 142 Mitchell St.....	Greensboro
Dean, Richard Monroe, 144 Mitchell St.....	Greensboro
Derr, James E., 509 South 12th St.....	Hickory
Dillard, Mabel M.....	Madison
Dillard, Zora K., P. O. Box 486.....	Waynesville
Dixon, Hattie L., 549 E. Nash St.....	Wilson
Doby, Mary E., Rt. 2, Country Club Road.....	Winston-Salem
Dougherty, Mae Fannie H., 609 Pine St.....	Hamlet
Downing, Maude, 153 S. 10th Ave.....	Mt. Vernon, N. Y.
Dula, Evalee C., Rt. 4, Box 159.....	Lenoir
Dumas, Althea A., 69 St. Catherine St.....	Natchez, Miss.
Dupree, Ruth B., 163 High St., N. W.....	Roanoke, Va.
Eaton, Kathryn E., 2312 N. Cherry St.....	Winston-Salem
Edwards, Delois M., P. O. Box 11.....	Siler City
Ellison, Margarette Pearl, Box 587.....	Graham
Emmett, Myrtle O'Connell, 312 Tyson St.....	Greenville
Ethanegane, Mabel, 201 E. 13th St.....	Scotland Neck
Exum, Sula E., 104 Wallace St.....	Farmville
Finney, Hattie Wright, 422 N. Dudley St.....	Greensboro
Flowers, Hamilton E., 1915 E. 14th St.....	Winston-Salem
Floyd, Erma M., 1011 Gwinnett St.....	Augusta, Ga.
Foggie, Margarette A., 215 N. Dudley St.....	Greensboro

Forney, Millie L., 222 Horton St.....	Lenoir
Forte, John E., 429 E. Washington St.....	Greensboro
Fowlkes, Jessie	Leaksville
Francis, Jesse A., Rt. 3, Box 81.....	Enfield
Frasier, Hettie, 2112 Fayetteville St.....	Durham
Galdin, Eunice, 625 Campbell St.....	Daytona Beach, Fla.
Garvin, Joseph, 2032 LaFountaine St.....	Fort Wayne, Ind.
Goldsmith, Marjorie, 219 N. Dudley St.....	Greensboro
Grady, Nettie, Box 1053.....	Southern Pines
Graham, James V., Box 106.....	Pink Hill
Goff, Erline, 2307 Laurel St.....	Columbia, S. C.
Gorham, Willie Mae, 224 W. 9th St.....	Washington
Graves, Elma, Box 343.....	Gibsonville
Greene, Josie M., Box 151.....	Southport
Hamlin, Helen, 1105 Logan St.....	Greensboro
Hannon, Helen	Tryon
Harrington, Arthur, 1404 Walnut Ave.....	East St. Louis, Ill.
Harris, Augusta, 508 Stewart St.....	Greensboro
Harris, Nauvata, 711 Reid St.....	Greensboro
Harris, Roberta, 711 Reid St.....	Greensboro
Headen, Fannie, 807 Bennett St.....	Greensboro
Hemphill, Myrtle	Old Fort
Henderson, Anna, 754 Oakland Ave.....	Greensboro
Hester, Lucy, Durham Road.....	Roxboro
Hill, Cora, 141 Beech St.....	Greensboro
Hill, Emaline, 119 Mitchell St.....	Greensboro
Hilliard, Marion, 18 Sykes Ave.....	Wadesboro
Holland, Phyllis, 720 11th St.....	Birmingham, Ala.
Holley, Herman W., 115 W. Albemarle St.....	Edenton
Holley, James, 130 E. Freemason St.....	Edenton
Holt, Dorothy Dean, Box 117.....	Graham
Holt, Eliza C., Rt. 1, Box 178.....	Graham
Hooper, Charlotte C., 1705 Spencer St.....	Greensboro
Hooper, Edna C., Rt. 1, Box 278.....	Leaksville
Howard, Elma G., 910 Johnson St.....	Greensboro
Hunt, Evelyn A., 503 N. Holbrook St.....	Danville, Va.
Hyman, Frances V.....	Hobgood
Isley, Alberta E., Rt. 1, Box 242.....	Graham
Jackson, Irma L., 515 E. Henry St.....	Savannah, Ga.
Jackson, Wessye, 815 Baptist St.....	Greensboro
Jenkins, James M.....	Cameron
Johnson, Annie Mae, Rt. 1, Box 116.....	Tarboro
Johnson, Alverado B., Rt. 1, Box 4.....	Greensboro
Johnson, Arthur S., 1894 N. W. 1st Ave.....	Miami, Fla.
Johnson, Alice Marjorie, 45 Diaz St.....	Stamford, Conn.
Johnson, Mary, 434 N. McCrary St.....	Asheboro
Johnson, Willie Mae, P. O. Box 6.....	Dodson

Jones, Beatrice Rosalia, 211 N. Gilmer St.....	Greensboro
Jones, Elbert E., 214 Montgomery St.....	Henderson
Jones, Elwood Jennings, 530½ High St.....	Henderson
Jones, Hortense E., 317 Beech St.....	Greensboro
Jones, William J., 326 Cemetery Ave.....	Charlotte
Jones, Willie B., 901 Stantonsburg St.....	Bennettsville, S. C.
Jordan, George R., 1112 McGee St.....	Greensboro
Kress, Fannie B., 607 Fairview St.....	High Point
Krider, Elizabeth, 502 Concord St.....	Salisbury
Lassiter, Louise S., 703 Thomas St.....	Rocky Mount
Lawson, Beatrice, Rt. 1, Box 74.....	Roxboro
Lee, John K., P. O. Box 921.....	Hamlet
Lennon, Shady Macon.....	Boardman
Levi, Malta McDonald, 711 Reid St.....	Greensboro
Lipscomb, George Pinkny, Rt. 1, Box 226.....	Blanche
Little, Wm. Matthew, 846 Pierce St.....	Washington
Long, Odessa Mae, 4105 Effingham St.....	Portsmouth, Va.
Love, Clarence L., Box 2A.....	Sylva
Lyles, Rachel, 509 Spring St.....	Pomona
Mannsbury, Clara Ann.....	Maple Hill
Massey, John Franklin, P. O. Box 171.....	Salisbury
Matthew, Juanita Andre, 320 2nd Terrace.....	Birmingham, Ala.
McCloud, Naomi, 162 South St.....	Mt. Airy
McCorkle, Sinclair, P. O. Box 75.....	Maiden
McCorkle, Stanley, 702 Peace St.....	Thomasville
McCoullough, Chester A., Box 441.....	Salisbury
McDaniel, Ruby Mae.....	Evington, Va.
McGuffin, Thelma, 2204 N. Main St.....	South Boston, Va.
McKethan, Glennia Mae, 211 N. Dudley St.....	Greensboro
McMillan, Lena B., Rt. 7, Box 275.....	Greensboro
McMurray, Verda Mae, Rt. 3, Box 212.....	Greensboro
McRae, Merle B., 407 Beech St.....	Greensboro
Miller, Elijah Thomas, 2060 N. Cherry St.....	Winston-Salem
Miller, Emma, Rt. 2.....	Forest City
Miller, G. Bruce, 212 N. Forbis St.....	Greensboro
Miller, Leroy, P. O. Box 915.....	Salisbury (U. S. Army)
Miller, Mittie Mae, 600 Sycamore St.....	Danville, Va.
Miller, Susie, 2409 Albany St.....	Brunswick, Ga.
Mitchell, Mae F., 1308 Lindsay St.....	Greensboro
Moffitt, Mattie, 907 Lincoln St.....	Greensboro
Moore, Margaret, Rt. 2.....	Greenville, S. C.
Moye, Helen, Box 122.....	Blacksburg, S. C.
Murdock, Addye, 310 Beech St.....	Greensboro
Newby, Stella Gilmer, 224 Regan St.....	Greensboro
Nelson, Lillian, 713 S. Ashe St.....	Greensboro
Oldham, Veola, 1209 Gorrell St.....	Greensboro
O'Neill, Rovena, 415 N. Greene St.....	Morganton

Otey, Carolyn, 226 N. Gilmer St.....	Greensboro
Owens, Frada, 1812 N. Main St.....	South Boston, Va.
Patterson, Mary Lee, Box 344.....	Fort Mill, S. C.
Patterson, Virginia Frank, 1323 Floyd St.....	Lynchburg, Va.
Peoples, Florence N., Rt. 3.....	Pittsboro
Penn, Eloise Logan, 330 W. Bragg St.....	Greensboro
Perry, Emma, State College.....	Fayetteville
Perry, (Mrs.) Emma, State College.....	Fayetteville
Peterson, Branton, 211 N. Dudley St.....	Greensboro
Pettiford, Mary M., 430 Chestnut St.....	Greensboro
Pettway, Julia Holt.....	Mebane
Pickard, Adele, 367 Harrison St.....	Reidsville
Pierce, Willie C., Rt. 1, Box 191.....	Hallsboro
Pinnix, Mae Ossie, 133½ Branch St.....	Reidsville
Pinnix, Marie L., 133½ Branch St.....	Reidsville
Plummer, Bertha L., 314 E. Church Ave.....	Knoxville, Tenn.
Pridgen, Lucy, 900 Benbow Road.....	Greensboro
Purnell, Lena M., Box 151.....	Pocomoke City, Md.
Putman, Helen S., 3 Russell St.....	Laurens, S. C.
Quick, Frederick, 400 Wall St.....	Sanford
Rankin, Olivia, 1609 McConnell Road.....	Greensboro
Reid, Lillian R., 110 Cherry St.....	Covington, Va.
Rice, Grady	Quitsna
Richardson, Mae, Rt. 3, Box 441.....	Wadesboro
Riddick, Frank	Pantego
Roberts, Mildred, 2012 Hassell St.....	Greensboro
Roberts, Mae Sue, Rt. 1, Box 97.....	Shelby
Robinson, Foman, 11 Wells Ave., N. W.....	Roanoke, Va.
Robinson, Mattie, 60 Griffin St., N. W.....	Atlanta, Ga.
Robinson, Ruby, 408 Banks St.....	Greensboro
Ruffin, Clementine, 1305 W. Lanvale St.....	Baltimore, Md.
Rush, Gretta, Box 912.....	Reidsville
Shaw, Lillian, Box 274.....	Burgaw
Shivers, Julia	Rocky Point
Simkins, Guyrene, 161 N. Dudley St.....	Greensboro
Simpkins, Gloria	Greensboro
Simmons, Earsie Lee, 25 Cooper St.....	Charleston, S. C.
Simon, Jannie Ruth, 460 Salisbury St.....	Wadesboro
Simons, Pearl Marshall, Jr., Rt. 1, Box 269.....	Wadesboro
Smith, Charlotte, Rt. 1, Box 22.....	Liberty
Smith, Helen Mae, Box 275.....	Chadbourn
Saunders, Ruth, P. O. Box 152.....	Summerville, S. C.
Smith, Thelma Pitts, 626 Warren St.....	Greensboro
Stanford, Malcon, Box 151.....	Warsaw
Stewart, Blanche, 33 Ballard St.....	Wadesboro
Summers, Louise, 406 Beech St.....	Greensboro
Summerville, Lula S., 73 Bardin St.....	Clinton

Tillett, George E., 403 N. Granville St.....	Edenton
Thomas, Benjamin	Wilmington
Turner, Bessie Odessa, 710 Law St.....	Greensboro
Turner, Clara	New York, N. Y.
Turner, Francis M., 1328 Highland Ave.....	Winston-Salem
Turner, Virginia Lee, Rt. 2, Box 4.....	Bassetts, Va.
Villines, Lottie, Rt. 2, Box 129.....	Hurdle Mills
Waddell, Thelma, 13 Therland St., P. O. Box 4154.....	Asheville
Wade, Victoria, Rt. 4, Box 28.....	Mebane
Watkins, Edna A., 1235 30th St.....	Newport News, Va.
Watkins, Lessie Street, 725 Gillespie St.....	Greensboro
Watlington, Pearl Blanche, Rt. 3, Box 151.....	Greensboro
Webb, Margaret C.....	Roxboro
West, Jennie L., 829 Maple St.....	Kingsport, Tenn.
White, George W.....	Jacksonville
White, (Mrs.) Thomas P., 74 Hill St.....	Asheville
Whitlock, Evelyn	Paces, Va.
Withers, Robert B., Jr., 519 Bennett St.....	Greensboro
Wiley, Archie, Rt. 3, Box 95.....	Mebane
Williams, Daniel, 1107 Perkins St.....	Greensboro
Williams, Harold	Sneads Ferry
Williams, Gertrude Holley, 204 Regan St.....	Greensboro
Williams, Lillian Jeffries, 135 Beech St.....	Greensboro
Williams, Lucille, 23 First St.....	Charleston, S. C.
Williams, Matthew, Jr., 311 Bennett St.....	Greensboro
Williams, Mildred, P. O. Box 221.....	Snow Hill
Wilson, Bertha, 47 Patton Ave., N. E.....	Roanoke, Va.
Wilson, Mary Horne.....	Biscoe
Wood, Larcenia Ferne, 223 E. Gaston St.....	Greensboro
Womack, Thomas Jerry, 807 N. Boone St.....	Johnson City, Tenn.
Young, Kathleen H., 411 W. Concord St.....	Morganton
Young, Theda Bara, 625 Arch St.....	Henderson

GRADUATE STUDENTS—SUMMER 1942

A. and T. College, Greensboro, North Carolina

Barrett, Commodore A., 745 Frank St.....	Asheboro
Brown, Myra J. Margaret, 1207 Excelsior St.....	Winston-Salem
Caldwell, T. Frank, Jr., 319 Taylor St.....	High Point
Connelly, Mamie Elinora, P. O. Box 426.....	Fayetteville
Cooper, Mamie R., 1021 Lindsay St.....	Greensboro
Coppage, James, State Teachers College.....	Fayetteville
Daniels, Lucius Edward, P. O. Box 336.....	Belton, S. C.
Dillard, John, 713 Ashe St.....	Greensboro
Donnell, Pauline A., 1411 Gorrell St.....	Greensboro
Frazier, D. S., General Delivery.....	Winston-Salem
Grant, Ernest Elisha.....	Liberty

Graves, Mernell Margaret, Box 343.....	Gibsonville
Gunn, J. F., P. O. Box 144.....	Burlington
Hooper, Wm. R., 453 Salisbury St.....	Wadesboro
Himbry, Joseph Otto.....	Bayboro
Humphrey, Thomas, 1407 Gorrell St.....	Greensboro
Holt, Quince Howard, 163 W. McCulloh St.....	Greensboro
Johnson, W. T., 506 Logan St.....	Greensboro
Jordan, Hazel Josephine, 820 Benbow Road.....	Greensboro
Littlejohn, William, 238 Garfield St.....	Statesville
McClain, Issiah Theodore, 111 E. 3rd St.	Lexington
McLean, Newton Esic, 403 Beech St.....	Greensboro
McLendon, Sandy Raymond, Box 269.....	Ansonville
Melvin, Selina Mae, 145 Blount St.....	Fayetteville
Melton, Etta Mayme, 441 N. Dudley.....	Greensboro
Murphy, William E., P. O. Box 1098.....	Fayetteville
Pannell, Clara Virginia, 628 Spruce St.....	Danville, Va.
Peay, William Lester, 109 Turner St.....	Thomasville
Perry, Charles Ernest, State Teachers College.....	Fayetteville
Reid, Emma C., 300 Agnes Ave.....	Knoxville, Tenn.
Sullivan, H. N., P. O. Box 30.....	Lexington
Sysnette, Marion, Rt. 3, Box 66.....	Greensboro
Taylor, Claude L., Box 24.....	Parmele
Thaxton, Lydia Beatrice, 1526 McConnell St.....	Greensboro
Thompson, Muriel Lee, 24 West St.....	Bloomfield, N. J.
Wallace, William Thomas, Jr., 222 Regan St.....	Greensboro
Whitsett, Ophelia, Rt. 2, Box 341.....	Reidsville
Williamson, Sara B., P. O. Box 51.....	Reidsville
Wilson, William Henry, P. O. Box 106.....	Easley, S. C.

EXTENSION, 1942-43

GREENSBORO CENTER

Adams, Mae, 305 N. Regan St.....	Greensboro
Adams, Margaret Mae, 305 N. Regan St.....	Greensboro
Alstin, Laura, 198 Pickard St.....	Greensboro
Allen, Martha, 262 Gregg St.....	Greensboro
Artis, Mask Bernice, 1308 Payne St.....	Greensboro
Ballenger, Earline, 209 Hay St.....	High Point
Branton, Isaac	Greensboro
Booker, Margaret Ethel, 641 Peachtree St.....	Spartanburg, S. C.
Bynum, Nancy Geneva, 404 Banks St.....	Greensboro
Campbell, Willie, 1218 Hoover St.....	High Point
Comer, Ruth V., 1516 McConnell Rd.....	Greensboro
Cranford, Pauline, 1116 Kivett Drive.....	High Point
Dale, Marie Howard, Bennett College.....	Greensboro
Dansby, John Benjamin, 1303 Lindsay St.....	Greensboro
Davis, Flora Belle, 809 Gorrell St.....	Greensboro

Davis, Mrs. Lula, 615 Nantucket St.....	Greensboro
Ingram, Mrs. Dahla Dawkins, 501 Underhill Ave.....	High Point
Dillard, Jeannette, 1300 Lindsay St.....	Greensboro
Donnell, Mary Elizabeth, 256 W. Whittington St.....	Greensboro
Evans, Ruth Lucille, 802 Cross St.....	Greensboro
Evans, Cora L., 308 Vail St.....	Greensboro
Evans, Vivian E., 830 Fairview St.....	High Point
Fambrough, Gertrude, 414 Regan St.....	Greensboro
Florance, Louise, 312 Beech St.....	Greensboro
Florance, Rosetta Brandon, 402 Beech St.....	Greensboro
Foster, Lubertha, P. O. Box 4.....	Guilford
Gilreath, Gladys Grant.....	Guilford
Griffin, Grace, 605 Booker St.....	Greensboro
Gray, Thelma, 615 Sampson St.....	Greensboro
Haith, Mary L., 1121 Gray St.....	Greensboro
Holland, Phyllis, 720 11th St., N.....	Birmingham, Ala.
Haygood, Alice B., 1102 Benbow Rd.....	Greensboro
Hill, Bernice E., 1206 Lenard St.....	Greensboro
Hill, Cora, Beech St.....	Greensboro
Holt, Helen L., 2317 E. Market St.....	Greensboro
Hunter, Dorothy Lee, 306 W. Willis St.....	Greensboro
Hunter, Dorothy, 306 West Willis St.....	Greensboro
James, Mary, D. B. Apt.....	High Point
Jeffries, Ruby	Guilford College
Johnson, Mildred	Greensboro
Leach, Betty, 1009 Hoover St.....	High Point
Lee, Wilson, Rt. 2.....	Littleton
Levette, Alice, 814 Julian St.....	Greensboro
Lindsay, Leroy, 607 Best St.....	Greensboro
Martin, Lucille, 820 Cumberland St.....	Greensboro
McIver, Dorothy, 1810 East Market St.....	Greensboro
Miller, Dorothy, 212 N. Farshis St.....	Greensboro
McKenie, Ruth Josephine, 1609 Edmonson St.....	High Point
Moore, Anna Rebecca, 604½ Leonard St.....	Kings Mountain
Moore, Margaret Elizabeth, 803 Fairview St.....	High Point
Morris, Lewis R., 72 Hunter St.....	New York
Murphy, Sally, 325 Beech St.....	Greensboro
Nebon, Doreatha, 406 Cliff St.....	High Point
Nobles, Mary Alice, 1126 Cedar St.....	Thomasville
O'Neill, Lois, Mrs., 404 Beech St.....	Greensboro
Patterson, Matthew McNider, Rt. 2.....	Snow Camp
Phifer, Leila, 1609 Freeman Mill Rd.....	Greensboro
Phifer, Luella, 1609 Freeman Mill Rd.....	Greensboro
Riggsbee, Delores, 1041 Armstrong St.....	Greensboro
Roberts, Ordie Amelia.....	Chicago, Ill.
Robinson, Wava Marie, 110 Normal St.....	High Point
Spiney, Laura Mae, 807 Baptiste St.....	Rocky Mount

Junata, Martha Stewart, 808 Ashe St.....	Unionville
Tate, Roselle, P. O. Box 134.....	Guilford
Thompson, Allie Odell, 902 E. Market St.....	
Turner, Arletha, 229 Ragan St.....	Greensboro
Turner, Jennie Mae, 120 N. Dudley St.....	Greensboro
Wagstaff, Mary, College Hill.....	Burlington
Walker, Elizabeth, 1010 E. Market St.....	Greensboro
White, Bobbie, 1301 S. Ashe St.....	Greensboro
Wilson, Margaret, R. N., 1422 Brown Ave.....	Anniston, Ala.
Wood, Larcenia F., 223 East Gaston St.....	Greensboro

GREENSBORO CENTER

Allen, Mary Louise Bond, 1816 E. Market St.....	Greensboro
Bryam, Mrs. Sudie D. Evans, 1003 Lindsay St.....	Greensboro
Clark, Beatrice D., 523 South St.....	Greensboro
Hall, Julia Irvin, 1208 Day St.....	High Point
Hill, Cora E.....	Greensboro
Hill, Miller Pattie.....	Greensboro
Moffitt, Mattie A., 907 Lincoln St.....	Sedalia
Moore, Banks Anna, 752 W. McCulloh.....	Greensboro
Newby, Stella G., 224 Regan St.....	Greensboro
Reddick, Bessie Foushee, 411 High St.....	Greensboro
Reid, Mrs. Cornelia B.....	High Point
Robinson, Clarice C., 707 Law St.....	Greensboro
Ruff, Sylvia P.....	Greensboro
Sellars, Audrey E., 639 Ashe St.....	Brown Summit
Townes, Eva Anthony, 1207 Day St.....	High Point
Watkins, Lessie Street, 725 Gillespie St.....	Greensboro
Watlington, Blanche Pearl, Rt. 3, Box 212.....	Greensboro

GRAHAM CENTER

Albright, John W.....	Burlington
Boyd, Clara C., Rt. 5, Box 282.....	Asheboro
Chandler, Mrs. Sadie D.....	Graham
Collins, Nannie (Mrs.).....	Burlington
Day, Juanita M., 142 Mitchell St.....	Greensboro
Dillard, Zora Kemp, 121 N. Obermeyer St.....	Greensboro
Faucette, H. H., Rt. 2.....	Burlington
Glover, Tonkins Mary, 527 South St.....	Greensboro
Ivey, Maude H., 405 Avon Ave.....	Greensboro
Keck, Fastina	Graham
Lee, Augusta C., 1216 Maple Ave.....	Burlington
Pettway, Julia Holt.....	Mebane
Poole, Mabel, Box 684.....	Graham
Snipe, Ossie L., Rt. 5.....	Mebane
Whitted, Grace M., 321 S. Melville St.....	Burlington
Wilson, Carrie Spaulding, Box 163.....	Graham
Worth, Thomas R., Rt. 1.....	Haw River

DISTRIBUTION BY COUNTIES IN NORTH CAROLINA

Alamance	17	Lincoln	2
Alexander	3	Lee	4
Anson	12	Lenoir	8
Beaufort	13	Martin	4
Bertie	13	Mecklenburg	9
Bladen	14	Montgomery	1
Brunswick	4	Moore	6
Buncombe	13	Nash	5
Cabarrus	6	New Hanover	9
Caldwell	2	Northampton	5
Carteret	3	Onslow	4
Caswell	7	Orange	8
Catawba	9	Polk	1
Chatham	9	Pasquotank	3
Chowan	3	Pender	15
Cleveland	5	Perquimans	4
Columbus	8	Person	8
Craven	7	Pitt	9
Cumberland	8	Randolph	3
Davidson	7	Richmond	2
Duplin	13	Roberson	16
Durham	1	Rockingham	11
Edgecombe	10	Rowan	11
Forsythe	12	Rutherford	8
Franklin	16	Sampson	6
Gaston	6	Scotland	2
Granville	6	Southampton	1
Greene	1	Stanly	3
Guilford	177	Stokes	1
Halifax	15	Surry	2
Harnett	10	Tyrrell	1
Henderson	1	Union	4
Hertford	15	Vance	4
Hoke	3	Wake	13
Hyde	1	Warren	4
Iredell	6	Washington	1
Jackson	1	Wayne	22
Johnston	6	Wilkes	2
Jones	3	Wilson	13

ENROLLMENT BY STATES

Alabama	15	Mississippi	1
Connecticut	2	Nebraska	1
Delaware	3	New Jersey	11
District of Columbia	1	New York	21
Florida	13	North Carolina	701
Georgia	3	Ohio	2
Illinois	8	Pennsylvania	14
Indiana	10	South Carolina	40
Kentucky	1	Tennessee	3
Louisiana	1	Virginia	56
Maine	1	Washington	2
Maryland	7	West Virginia	12
Massachusetts	6		
		TOTAL	935

SUMMARY OF ENROLLMENT**College:**

Senior Class	129
Junior Class	149
Sophomore Class	234
Freshman Class	373
Graduate Students	17
Unclassified Students	33

TOTAL	935
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Total enrollment, excluding duplicates regular session, 1942-43..	935
Extension Division, 1942-43	90
Summer Quarter	411
Summer Quarter, Graduate Students	39

GRAND TOTAL, 1942-43	1,475
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APPLICATION FOR ADMISSION

Full Name

Last Name	First Name	Middle Name
-----------	------------	-------------

Home Address

Street No.	City
------------	------

Name and address of person recommending you.....

.....

Place of Birth..... Date.....

Mo.	Day	Year
-----	-----	------

Are you a high school graduate?.....

Have you done any work of college level?.....

Address of school or college last attended.....

Year of graduation.....

Name of Principal or President.....

Do you plan to room and board on the campus?.....

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WOMAN'S COLLEGE
UNIVERSITY OF NORTH CAROLINA





